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Training Extension Course (TEC)	Active Duty (AD)
Skill Qualification Test (SQT)	U.S. Army Reserve (USAR)
Military Occupational Speciality (MOS)	National Guard (NG)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)
The Army's Training Extension Course (TEC) Program consists of per-
formance oriented, self-pace lessons designed to provide individual
instruction for enlisted men in Army units. This report provides a
comprehensive evaluation of the TEC program from the perceptions of
officers (01-04), NCO trainers (E6-E7) and enlisted users (E1-E5).
The survey was conducted in three separate mailings to Active
Duty, U.S. Army Reserves and National Guard units.

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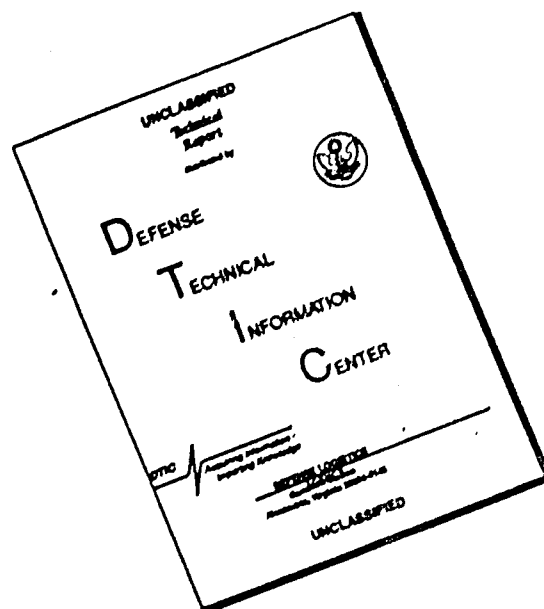
20. (Cont'd)

(Skill Qualification Test)

The survey indicated that TEC is utilized primarily to (1) improve job proficiency, (2) SQT preparation, (3) MOS training and (4) prepare for classes. TEC was utilized, in various degrees, by eighty percent of the trainers and fifty-seven percent of the users surveyed. The survey indicated that TEC has moderate command emphasis at best. However, the USAR and National Guard units surveyed indicated greater command emphasis than did the Active Duty survey. Officers and Trainers agree TEC should be developed for higher skill levels.

The survey revealed that TEC is a viable training tool and is used by the personnel who are familiar with its operation. The program needs improved education at the user and trainer level fostered by command emphasis. If the program was deminished or deleted, the USAR and National Guard personnel would be the most affected on their training readiness due to their extensive use of TEC materials.

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(Military occupational Speciality)

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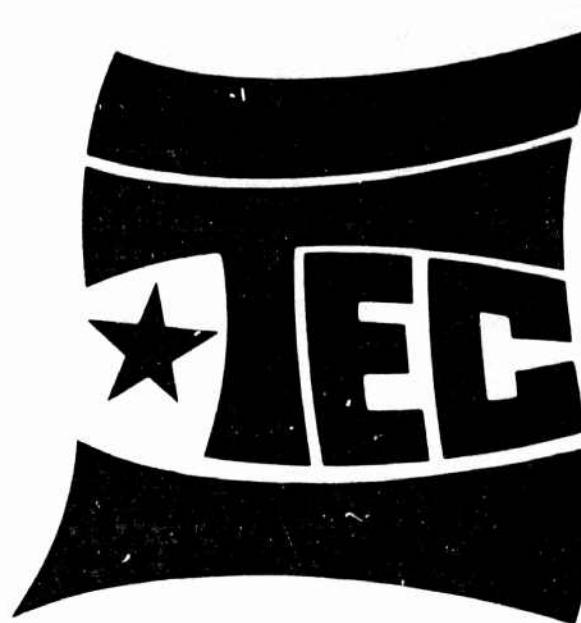THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

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★ TEC

TRAINING EXTENSION COURSE

UTILIZATION SURVEY

FEBRUARY 1985

85 05 10 023

Training Extension Course (TEC) Utilization Survey

Index

 * The term Reserve Component, used throughout the report, refers
    to United States Army Reserves (USAR)

Training Extension Course (TEC) Utilization Survey

OBJECTIVE

The purpose of this survey is to provide a comprehensive evaluation of the TEC program from the perceptions of officers, NCO trainers and enlisted users within the Active Duty, United States Army Reserves (USAR) and National Guard units.

METHOD

The survey was conducted with three separate mailings to Active Duty and National Guard units and USAR soldiers.

The Active Duty and USAR samples were based upon stratified random sample designs, stratified by grade categories (O1-O4, E6-E7, E1-E5) and selected by terminal digits of social security numbers. The survey was mailed to 13,189 Active Duty and USAR soldiers.

The National Guard sample was based upon a sample of 81 units stratified by grade categories. National Guard units were mailed 9,819 surveys.

The return rate of the survey were as follows:

	Survey Returned	Return Rate
Active Duty	3,156	35%
USAR	955	25%
National Guard	1,904 (42 units)	N/A (Mailed to units, not personnel)

FINDINGS

TEC Usage.

Trainers (E6-E7). TEC was utilized by 80% of the trainers surveyed to train their soldiers. During a 24 month period:

    43% used 1 to 5 TEC lessons
    35% used 6 to 15 TEC lessons
    16% used 16 to 40 TEC lessons
     6% used more than 41 TEC lessons

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Trainers indicated that they used TEC in the following manner:

      66% used TEC as part of a lecture
      67% used TEC with demonstrations
      77% used TEC with, or to prepare for, hands on exercises
      61% used TEC to meet short lead time training requirements

TEC was also utilized by 78% of the trainers surveyed to train themselves. During a 24 month period:

      50% used 1 to 5 TEC lessons
      34% used 6 to 15 TEC lessons
      12% used 16 to 40 TEC lessons
      3% used more than 41 lessons

Enlisted Users (E1-E5).

TEC was utilized by 57% of the enlisted users surveyed. During a 24 month period:

      43% used 1 to 5 TEC lessons
      35% used 6 to 15 TEC lessons
      18% used 16 to 40 TEC lessons
      4% used more than 41 TEC lessons

TEC was utilized mainly during duty hours primarily to improve job proficiency, SQT preparation, MOS training in conjunction with soldiers manual and to aid in preparing for classes.

Why is TEC not used?

Officers (01-04). Active Duty officers stated that the main reasons TEC is not used is because soldiers do not like it, or are not interested in it. USAR officers felt that TEC is not used by the soldier due to lesson availability, and lack of time for any type of individual training. National Guard officers felt that TEC is not used because soldiers do not like it, and lack of time for any individual training.

Trainer. The main reasons for lack of TEC usage stated by all trainers were lack of available time to use TEC and lack of interest in TEC lessons.

Users. The main reasons for lack of TEC usage stated by all users were that soldiers were unaware of the TEC Program and that there is not enough time for individual training.

How is TEC usage encouraged?

Officers. 85% of all officers surveyed stated that they encourage their NCO trainer to use TEC in their training program. Methods of encouragement are general instruction, specific assignments and announcements. 89% stated that they allow

soldiers time during duty hours to use TEC while 75% stated
they encourage soldiers to use TEC during off duty hours.

Trainers. 82% of all trainers surveyed stated that they
encourage their soldiers to use TEC in various degrees. 48%
encourages frequent usage. 83% allow their soldiers time to
use TEC during duty hours, while 68% encourage soldiers to use
TEC during off duty hours. Most trainers encourage use of TEC
by specific assignments and announcements.

Users. All users stated that encouragement to use TEC is
given primarily by the trainer. 76% of those surveyed stated
that they were allowed time during duty hours to use TEC, however,
45% stated that they were not encouraged to use TEC during off
duty hours.

What type of TEC materials are used?

The survey indicated that TEC sight and sound lessons are
the most widely used type of TEC lesson and has a dependable
delivery system. Information contained in lessons is correct
and, for the most part, current and up to date.

How did you learn about TEC?

Officers. 65% of all officers surveyed were told how to
use TEC through the Battalion Training Management System (BTMS),
Officer Basic/Advance Courses or ROTC programs.

Trainer. 58% of all the trainers surveyed stated they
learned about TEC through BTMS and learning centers.

Users. One third of all the users surveyed stated that they
learned about TEC from their trainers.

How useful is the TEC pretest?

Trainers. One third of all trainers surveyed do not use
or never heard of the TEC pretest. Of those who use the TEC
pretest:

> 44% use it to determine if an individual needs refresher
> training
> 32% use it to determine if an individual needs initial
> training
> 10% use it as a proficiency exam

97% of those who use the pretest feel it was useful to
various degrees.

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Users. 25% of the users surveyed stated they have never heard of the TEC pretest. Of those who have heard of it, 46% rarely or never use it.

91% of those who use the pretest felt it was useful to various degrees.

Does TEC have command emphasis?

Officers. 85% of the officers aware of the TEC program indicated that there was unit command emphasis in various degrees, however, 46% felt there was only moderate emphasis. 15% felt there was no command emphasis while 39% felt there was some emphasis.

At the battalion level:

    23% felt there was no command emphasis
    35% felt there was some command emphasis
    42% felt there was at least moderate command emphasis

In general, USAR and National Guard officers survey indicated there was greater command emphasis to use TEC than did the Active Duty officers survey.

Trainers. 76% of all trainers aware of the TEC program indicated unit command emphasis in various degrees; however, only 40% felt there was at least moderate command emphasis. 24% felt there was no command emphasis, while 36% felt there was some emphasis.

At the battalion level:

    31% felt there was no command emphasis
    35% felt there was some emphasis
    34% felt there was at least moderate emphasis

Again, USAR and National Guard trainers survey indicated there was greater command emphasis to use TEC than did the Active Duty trainers survey.

Should TEC usage be mandatory?

Officers. USAR and National Guard officers support the mandatory usage of TEC. 51% of the USAR and 60% of the National Guard officers felt that soldiers should be required to use TEC; however, 64% of the Active Duty officers felt that soldiers should not be required to use TEC.

Trainers. USAR and National Guard trainers support the mandatory usage of TEC. 61% of the USAR and 68% of the National Guard trainers felt that soldiers should be required to use TEC; however, 53% of the Active Duty trainers felt that soldiers should not be required to use TEC.

Users. The majority of the users agree that TEC usage should be mandatory. The breakdown was:

Active Duty	72% support mandatory usage
USAR	66% support mandatory usage
National Guard	65% support mandatory usage

When should TEC be introduced?

84% of the officers and 69% of the trainers agree that soldiers should first be informed of TEC in either Basic Training or Advance Individual Training.

Should TEC be developed for higher skill levels?

87% of the officers and 94% of the trainers felt that there is a need for TEC at skill levels, 3 & 4.

CONCLUSIONS

The survey revealed that the TEC program is a viable training tool utilized by those personnel who are familiar with its operation. The program is used to improve job proficiency, SQT preparation, MOS training and to prepare for classes. The overwhelming majority of those who use TEC feel it is helpful to various degrees.

TEC sight and sound lessons are the most widely used type of TEC lesson. It has a dependable delivery system and equipment failure does not appear to be a problem. Information contained in lessons is correct and for the most part up to date and written at the appropriate level of difficulty.

The main source of education on the TEC program comes from BTMS, learning centers and the NCO trainer. The survey indicated that soldiers are not fully aware of how the TEC Program works. Ignorance of the program and lack of time to use TEC are the reasons stated by enlisted users for lack of TEC usage. Officers and NCO trainers agree that soldiers should be informed of the TEC Program at either Basic Training or Advance Individual Training.

The enlisted users rely heavily on the NCO trainer, learning center and soldiers manuals to inform him which TEC lessons to use. With the exception of the Active Duty officers and trainers, the survey revealed that soldiers should be required to use TEC lessons. Officers and trainers overwhelming agree that TEC should be developed for higher skill levels.

There is a perception by the users that the TEC Program
does not have a great deal of command emphasis and that usage
during non-duty hours is not encouraged. Officers and trainers
agree that command emphasis is moderate at best. This is an
indication as to why TEC may not receive more widespread use.
Without command emphasis it is obvious why usage is not higher
than indicated. USAR and National Guard units have higher
command emphasis and higher TEC usage than do Active Duty units.

The TEC Program should continue to be an extension training
medium with improved education and exposure at the user and trainer
levels. The program needs to be fostered by greater command
emphasis, providing the availability of TEC facilities and stronger
incentives to utilize TEC during non-duty hours. If the program
were diminished or deleted, the USAR and National Guard personnel
would be the most affected on their training readiness due to
their extensive use of TEC materials.

TRAINING EXTENSION COURSE (TEC) UTILIZATION SURVEY

1. OVERVIEW. The Training Extension Course Program has historically conducted program evaluation through the Sample Surveys of Military Personnel. * The primary focus had been utilization rates, compared to similar data collected for more traditional training materials (e.g., soldier's manuals). The current survey was undertaken to provide a more comprehensive evaluation of solely the TEC program, from the perceptions of officers, trainers, and TEC users within the total Army.

2. POPULATION. The population for the TEC Survey consisted of each component--Active Duty, Selected Reserves and National Guard. Within each component three subpopulations were determined--Officers (grades 01-04), Trainers (grades E6-E7), and Users (grades E1-E5). Selection of these subpopulations was based on TEC data from the August 1982 Sample Survey of Military Personnel.

3. SAMPLE DESIGN. The Active Duty and Reserves samples were based upon stratified random sample designs, stratified by grade category (01-04, E6-E7, E1-E5) and selected by terminal digits of social security numbers. The National Guard sample was based upon a cluster sample design with random selection of states and units. Sample projections, based upon a 95% confidence interval with +5 error range were inflated to compensate for both an expected nonresponse and an expected percentage of respondents who would not be familiar enough with TEC to complete the entire survey instrument (reference: August 1982 Sample Survey of Military Personnel).

The Active Duty sample consisted of 2,800 Officers, 2,320 Trainers and 4,200 Users; the Reserves sample consisted of 1,202 Officers, 1,487 Trainers, and 1,180 Users. The National Guard sample consisted of 82 units from 20 states with a total of approximately 9,000 personnel.

4. SURVEY INSTRUMENTS. Three separate questionnaires comprised the survey instrument (one questionnaire each for the Officers, Trainers and Users). Answer sheets formatted for optical scanning were provided for each of these questionnaires.

5. SURVEY PROCEDURE. Questionnaires for the Active Duty and Reserves samples were mailed directly to individual personnel (MILPERCEN and RCPAC provided mailing labels according to the sample specifications). Questionnaires for the National Guard were mailed to a POC for each selected unit. The POC was instructed to administer the survey to all personnel in the appropriate grade categories, and to collect and return the completed answer sheets. Three follow-up efforts were employed in order to increase the response rate. The data collection

* TEC has had items in Sample Surveys of Feb 74, May 77, Aug 74, Feb 78, Aug 78, Jun 80, Feb 81, and Aug 82.

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effort for the National Guard sample was also extended to accommodate the limited availability (i.e., troops available one day per month) of this subpopulation.

6. GENERALIZATION OF SURVEY FINDINGS. The goal of this survey was to estimate specific population characteristics on the issues of interest as accurately as possible. There were several factors which might affect the accuracy of sample estimates of population characteristics. Such factors as sampling and non-sampling errors should always be considered when generalizing from the survey results to the target population.

    a. Non-sampling Error: There are two types of non-sampling error, measurement error and non-response bias.

        (1) Measurement error usually arises from two sources:

            (a) If the questions on a survey are ambiguously worded, the results of the survey will not accurately reflect the attitudes of the respondents. In order to minimize this particular type of measurement error, each version of the questionnaire was pretested. The comments of the soldiers participating in the pretest were incorporated into the final versions.

            (b) A second type of measurement error occurs when respondents do not answer questions that are of a sensitive nature. Respondents may either not answer these types of questions, or they may provide inaccurate information. In order to minimize this type of error, soldiers were informed their responses were completely confidential--the survey did not request names, social security numbers, or any other identification.

        (2) Non-response bias refers to the degree to which the attitudes of the soldiers who were included in the sample, and responded to the survey, differ from the attitudes of the soldiers who were included in the sample, but did not respond to the survey.

            Non-response bias occurs when there are systematic differences in attitudes between the respondents and non-respondents. For example, if the non-respondents for the sample were soldiers with the most negative attitudes toward the Army, the survey results would be biased. That is, the survey results would indicate a more positive attitude about the Army than was actually true for the Army-wide population. Since it is especially costly and time consuming to obtain the attitudes of these non-respondents, the magnitude of the non-response bias is often unknown.

            Non-response bias can also occur when respondents skip over certain questions on the survey. Consequently, the total number of soldiers responding to each question will vary

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throughout the survey. Because of this, the non-response bias varies across the different questions in a survey.

b. Sampling Error: Since only a portion of the Army population was sampled, the survey results will not be entirely accurate. This type of inaccuracy is referred to as the sampling error. The TEC survey was designed to minimize this sampling error as much as possible. The level of sampling error for the TEC survey is discussed in the next paragraph.

7. GENERALIZATION AND LEVEL OF CONFIDENCE. The confidence level and error range are indices used to quantify sampling error. A high confidence level means there is a high liklihood that the survey results could be replicated. The error range refers to how "on target" the survey results are in estimating the population characteristics. The TEC survey has a 95% confidence level and an error range of plus or minus 5%. For example, 65% of the Active Duty Users stated they had heard of TEC before this survey. If the TEC survey had been administered to one hundred different Active Duty Users samples, 95 out of 100 (95% confidence level) of these samples would have found that between 70% (65% + 5%) and 60% (65% - 5%) of the Users would have previous knowledge of TEC.

The confidence lvel and the error range can vary from survey question to survey question. If a column on the enclosed tables is annotated (+6%, +7%), the confidence level for data in that column remains 95% but the error range is plus or minus the annotated X%. Columns of data with confidence levels between 95% and 90% and an error range of +10% are marked with an asterisk. Columns of data with confidence levels below 90% and an error range of +10% are marked with a double asterisk.

As a rule, the 95% level of confidence with an error range of +5%, is the normally accepted minimum for designating survey results as reliable. Thus, one should be cautious when generalizing results from columns of data that are annotated with asterisks.

The samples were designed to provide accurate estimates of specific characteristics by grade category (i.e., Officers, Trainers, Users). Any other analysis (e.g., by grade or by MOS) should be reviewed with caution, as such analysis is likely to yield insufficient sample sizes for reliable interpretation.

8. DECISION MAKING. Survey data should not be used for decision making without considering the various sources of error that affect all surveys. Surveys usually measure only a few isolated variables. Thus, before using survey data for decision making purposes, one should be sure that the survey questions are directly applicable to the issue under consideration. If possible, other sources of information should also be used in the decision making process.

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9. Error range and confidence level breakdown.

	Error Range	Confidence Level
a. Active Army		
(1) Officers	+5%	95%
(2) Trainers	+5%	95%
(3) Users	+5%	95%
b. Reserve Component		
(1) Officers	+6%	95%
(2) Trainers (after exclusions)	+7	95%
(3) Users	+8%	95%
	Response to low for reliable interpretation	
c. National Guard		
(1) Officers	+8	95%
(2) Trainers	+6	95%
(3) Users	+5	95%

10. Exclusions. Some questions in this survey contained answers which allowed soldiers to indicate that they had no knowledge or no opinion about the subject. To clarify and obtain statistics on the soldiers with input, the individuals who stated that they did not know or had no opinion were excluded from the data. These deletions are referred to as exclusions and percentages have been adjusted to reflect the statistics on soldiers with opinions. Both percentage and exclusion tables are indicated for those questions which fall into this category.

Summary of TEC Utilization Survey
Active Duty, Reserve Component, National Guard

1. The purpose of this Survey is to provide a comprehensive evaluation of the TEC program from the perceptions of Officers (01-04), NCO trainers (E6-E7) and Enlisted users (E1-E5) within the Army. The Survey includes samples from the Active Duty, Reserve Component and National Guard Units.

11. The Survey indicated that TEC is utilized primarily to improve job proficiency, SQT preparation, MOS training and to prepare for classes. 80% of the NCO trainers used TEC to train the soldier and 78% used TEC to train themselves. Of the trainers that used TEC, 99% felt that it improved SQT performance while 98% felt that TEC improved MOS skills. 57% of the Enlisted users stated that they used TEC. Of these, 98% felt that it has helped their performance on SQT while 87% felt that it has helped their performance in their MOS. In general, the Reserve Component and National Guard had higher TEC usage level than Active Duty.

111. The main source of education on the TEC program came from the Battalion Training Management System (BTMS), learning centers and the NCO trainer. The Survey showed that 67% of the trainers and 72% of the users used the TEC pretest, indicating that they were fully aware of how the TEC program works. Of these, 98% of the trainers and 93% of the users felt that the pretest was useful.

IV. With the exception of the Active Duty officer and trainer survey, the Survey indicated that TEC usage should be mandatory. Overall, 49% of the officers, 59% of the trainers and 68% of the users felt that TEC usage should be mandatory. 64% of the Active Duty officers and 53% of the trainers did not support the mandatory usage of TEC. In contrast, 87% officers and 94% of the trainers agree that TEC should be developed for higher skill levels.

V. The Survey indicated that the TEC program does not have a great deal of command emphasis. The officers survey indicated that 15% felt that there was no command emphasis at the company level while 46% felt there was at least moderate emphasis and 39% felt there was some emphasis. At the battalion level, 23% of the officers felt that there was no command emphasis while 42% felt there was at least moderate emphasis and 35% felt there was some emphasis. The trainers survey indicated that 24% felt there was no command emphasis at the company level while 40% felt there was at least moderate emphasis and 36% felt there was some emphasis. At the battalion level, 31% of the trainers felt there was no command emphasis while 34% felt there was at least moderate emphasis and 35% felt there was some emphasis. The users survey indicated that 76% were encouraged to use TEC during duty hours while only 53% were encouraged to use TEC after duty hours.

TRAINING EXTENSION COURSE SURVEY

-ACTIVE ARMY-

Exclusions. Some questions in this survey contained
answers which allowed soldiers to indicate that they
had no knowledge or no opinion about the subject. To
clarify and obtain statistics on the soldiers with
input, the individuals who stated that they did not
know or had no opinion were excluded from the data.
These deletions are referred to as exclusions and
percentages have been adjusted to reflect the statis-
tics on soldiers with opinions. Both percentages and
exclusion tables are indicated for those questions which
fall into this category.

Summary of TEC Utilization Survey
Active Duty

1. The purpose of this Survey is to provide a comprehensive evaluation of the TEC program from the perceptions of officers, trainers and TEC users within the Army. The Active Duty was based upon stratified random sample designs, stratified by grade categories (01-04, E6-E7, E1-E5) and selected by terminal digits of social security numbers. The sample consisted of 2,800 officers, 2,320 trainers, and 4,200 users of which 1,204 officers, 839 trainers, and 1,113 users responded with usable answer sheets. This results in a 43%, 36% and 27% return rate respectively. The overall return rate for this sample is 35%, which meets the DA Survey Branch validation standard of 25%.

II. The Survey indicated that TEC is utilized primarily to improve job proficiency, SQT preparation, MOS training and to prepare for classes. 74% of the NCO trainers used TEC to train the soldier and 71% used TEC to train themselves. Of the trainers that used TEC, 98% felt that it improved SQT performance, while 97% felt that TEC improved MOS skills. 51% of the Enlisted users stated that they used TEC. Of these, 98% felt that it has helped their performance on SQT while 85% felt that it has helped their performance in their MOS.

III. The main source of education on the TEC program came from the Battalion Training Management System (BTMS), learning centers and the NCO trainer. The Survey showed that 61% of the trainers and 74% of the users used the TEC pretest, indicating that they were fully aware of how the TEC program works. Of these, 97% of the trainers and 92% of the users felt that the pretest was useful.

IV. The Survey indicated that TEC usage should not be mandatory. 64% of the officers and 53% of the trainers did not support mandatory usage of TEC. In contrast, 65% of the users felt that TEC usage should be mandatory. However, 80% of the officers and 91% of the trainers agree that TEC should be developed for higher skill levels.

V. The Survey indicated that the TEC program does not have a great deal of command emphasis. The officers survey indicated that 22% felt that there was no command emphasis at the company level while 36% felt there was at least moderate emphasis and 42% felt there was some emphasis. At the battalion level, 30% of the officers felt that there was no command emphasis while 31% felt there was at least moderate emphasis and 39% felt there was some emphasis. The trainers survey indicated that 36% felt there was no command emphasis at the company level while 31% felt there was at least moderate emphasis and 33% felt there was some emphasis. At the battalion level, 41% of the trainers felt there was no command emphasis while 30% felt there was at least moderate emphasis and 29% felt there was some emphasis. The users survey indicated that 63% were encouraged to use TEC during duty hours while only 47% were encouraged to use TEC after duty hours.

Officer's Major Finding

1. 61% of the officers surveyed were told how to use TEC thru Battalion Training Management System (BTMS), Officer Basic/Advance Courses or ROTC programs.

2. 82% of the survey population stated they encourage their NCO trainer to use TEC in their training program. Methods of encouragement are general instruction, specific assignments and announcements.

3. 83% stated that they allow soldier time during duty hours to use TEC. 82% stated they encourage soldiers to use TEC during off duty hours.

4. 78% of the officers aware of the TEC program indicated unit command emphasis in various degrees. 70% indicated battalion commander emphasis in various degrees.

5. 76% of the survey population stated that they encourage soldiers to use TEC in preparing for their SQT. Of these 97% felt using TEC helps to various degrees. 59% agree that TEC improves job performance. 98% felt that TEC is useful in various degrees.

6. 53% indicated that most of the TEC lessons that they are familiar with are current. 60% stated they rarely found incorrect information in TEC lessons. 56% indicate that they rarely experience equipment failure when using TEC sight and sound. 23% stated that lesson content was least liked about TEC.

7. 34% of the survey population stated that soldiers do not use TEC because they do not like it or are not interested in it.

8. 87% feel soldiers should first be informed of what TEC is in either BT or AIT.

9. 32% of the officers feel that the main reason why soldiers use TEC is to prepare for or give classes.

10. 80% feel that TEC lessons should be developed for skill levels 3 and 4.

11. 64% feel that soldiers should not be required to use TEC.

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OFFICERS

0-1 thru 0-4

2,800 Surveyed

1,204 Responded

798 Completed Survey

The following statistics are based on the responses
from Officers who have used TEC in the past 24 months.

Q12. How were you originally informed on how to use TEC?

	Percentages
A. I was never told how to use TEC	7.6
B. I read the TEC literature (such as the "Green Tabbers" in the TEC lessons, etc).	6.5
C. Through the Battalion Training Management System (BTMS)	19.9
D. Throug: the Learning Center	10.3
E. Through my Basic or Advanced Officer courses	19.9
F. Through ROTC	21.6
G. Extension Training Materials (ETM) Catalog	1.1
H. Extension Training Materials Availability List	.4
I. My supervisor	3.4
J. Received TEC through supply	2.0
K. Other	27.3

Analysis: Over 61% of officers were told how to use TEC thru Battalion Training Management System (BTMS), Officer Basic/Advance Courses or ROTC Programs.

798 valid responses

Q 13. Do you encourage your NCO trainers to use TEC in their training
program?

		Percentages
A.	Yes.	82.3
B.	No	17.7

Analysis: Self-explanatory.

789 valid responses

Q 14. Which one of the following best describes how you encourage soldiers to use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not encourage the use of TEC	12.9	-
B.	General instructions to my unit	30.6	35.2
C.	Specific assignments to individuals	21.1	24.2
D.	Announcements encouraging use	20.2	23.2
E.	Emphasize the personal reward	4.4	5.1
F.	Other	10.8	12.4

Analysis: Some of the main means used by officers to encourage their soldiers to use TEC are general instructions, specific assignments and announcements.

793 valid responses

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Q 15.   Do you allow soldiers time during <u>duty</u> hours to use TEC?

<u>Percentages</u>
A. Yes.   82.8

B. No.   17.2

Analysis: Self-explanatory.

790 valid responses

Q 16. Do you encourage soldiers to use TEC during <u>off</u> duty hours?

		Percentages
A.	Yes.	82.0
B.	No.	18.0

Analysis: Self-explanatory.

791 valid responses

Q 17. To what extent has there been command emphasis from the Company
       Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent.	6.2	7.9
B.	Moderate extent.	22.2	28.2
C.	Some extent.	33.3	42.4
D.	No extent.	16.8	21.5
E.	I do not know.	21.5	-

Analysis: Of the officers who were aware of the TEC program, 78% indicated
           unit command emphasis to one extent or another.

790 valid responses

Q 18. To what extent has there been command emphasis from the Battalion Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent.	5.8	7.9
B.	Moderate extent.	17.2	23.3
C.	Some extent.	28.8	39.0
D.	No extent.	22.0	29.8
E.	I do not know.	26.2	-

Analysis: Seventy percent indicated battalion commander emphasis in different degrees.

791 valid responses

Q 19. How often have you encouraged soldiers to use TEC in preparing for
       their SQT?

		Percentages
A.	Frequently.	40.6
B.	Sometimes.	35.5
C.	Rarely.	13.7
D.	Never.	10.2

Analysis: Self-explanatory.

788 valid responses

Q 20. Do you think that using TEC helps soldiers' performance on their SQT?

	Percentages	Exclusion (A,E)
A. Does not apply; my soldiers do not use TEC to study for their SQT.	5.3	-
B. Using TEC helps a lot.	38.4	50.5
C. Using TEC helps a little.	35.7	47.0
D. Using TEC does not help at all.	1.9	2.5
E. I do not know.	18.7	-

Analysis: Fifty percent feel TEC helps a lot to improve SQT performance.

795 valid responses

Q 21. Soldiers who use TEC show better job performance as a result.

		Percentages	Exclusion (A)
A.	Does not apply; I have not observed or supervised soldiers who have used TEC.	6.6	-
B.	Strongly agree.	12.7	13.6
C.	Agree.	42.7	45.7
D.	Neither agree or disagree.	34.8	37.3
E.	Disagree.	2.8	3.0
F.	Strongly disagree.	.5	0.5

Analysis: Fifty-nine percent agree that TEC improves job performance.

790 valid responses

Q 22. Which answer best describes why soldiers use TEC?

		Percentages	Exclusion(A & K)
A.	Does not apply; my soldiers do not use TEC.	4.3	-
B.	For SQT preparation.	18.7	19.5
C.	For MOS training.	14.2	14.9
D.	As an aid in preparing or giving classes.	30.9	32.2
E.	To get ready for promotion boards.	2.6	2.7
F.	To learn something totally new.	3.8	4.0
G.	For review.	12.6	13.2
H.	To prepare for unit test (ARTEP).	.0	.0
I.	To increase job proficiency.	.5	.6
J.	Other.	9.7	10.8
K.	I do not know.	2.7	

Analysis: Thirty-two percent feel the main reason why soldiers use TEC is to prepare for or give classes.

728 valid responses

Q 23. When you use the TEC sight and sound lessons to train soldiers, how often has something gone wrong with the equipment?

		Percentages	Exclusion (A)
A.	Does not apply; I have not used TEC sight and sound lessons	13.4	-
B.	Frequently	4.6	5.3
C.	Sometimes	33.5	38.7
D.	Rarely	42.5	49.1
E.	Never	5.9	6.9

Analysis: Fifty-six percent indicate that they rarely or never experience equipment problems when using TEC sight and sound.

790 valid responses

Q 24.   In your opinion, how many of the TEC MOS lessons that you are
         familiar with are current and up to date?

		Percentages	Exclusion (A)
A.	Does not apply; I am not familiar with any TEC MOS lessons.	22.2	-
B.	Most.	41.2	53.0
C.	About half.	25.2	32.4
D.	Few.	10.2	13.1
E.	None.	1.1	1.5

Analysis: Fifty-three percent indicated that most of the TEC lessons that
            they are familiar with are current.

793 valid responses

Q 25. How often have you noticed incorrect information in a TEC lesson?

		Percentages
A.	Frequently.	4.5
B.	Sometimes.	35.5
C.	Rarely.	41.9
D.	Never.	18.0

Analysis: Nearly 60% stated they rarely found incorrect information
in TEC lessons.

782 valid responses

Q 26. What do you like least about TEC?

		Percentages
A.	I have problems receiving enough lessons.	2.4
B.	I have problems receiving the right type of lessons.	11.5
C.	TEC does not make lessons for the subjects that my soldiers need.	12.9
D.	The TEC lessons are not kept in a convenient location for my soldiers.	11.3
E.	The TEC lessons are not available at convenient hours for my soldiers.	5.9
F.	The TEC equipment breaks down too often.	2.4
G.	The content of the TEC lessons (e.g., information is incorrect or not current, boring, too simple, etc.)	23.3
H.	Providing space and security for the equipment/materials.	11.5
I.	Other.	18.7

Analysis: Lesson content is least liked about TEC.

776 valid responses

Q 27. Which answer best describes why you think soldiers do not use
TEC more often.

		Percentages	Exclusion (H)
A.	TEC is not easy to get.	5.8	6.7
B.	Soldiers do not know about TEC.	10.6	12.2
C.	TEC lessons are not available for the subject soldiers need.	10.6	12.2
D.	There is not enough time for any type of individual training.	12.6	14.6
E.	Soldiers are not interested in this type of training.	11.8	13.7
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	17.8	20.5
G.	For reason other than the above.	17.4	20.1
H.	I do not know.	13.5	-

Analysis: Thirty-four percent of officers stated that soldiers do not use
TEC because they do not like it or are not interested in it.

794 valid responses

Q 28. In your opinion, should every soldier be <u>required</u> to use TEC?

	Percentages	Exclusion (C)
A. Yes.	32.3	36.1
B. No.	57.0	63.9
C. I do not know.	10.7	-

Analysis: Self-explanatory.

796 valid responses

Q 29. When do you think <u>soldiers</u> should first be informed of what TEC is, and how to use TEC?

		<u>Percentages</u>	<u>Exclusion (E)</u>
A.	Basic Training.	42.7	43.1
B.	AIT.	43.7	44.2
C.	First unit of assignment (after training).	12.1	12.2
D.	Other.	.5	.5
E.	I do not know.	1.0	-

Analysis: Eighty-seven percent feel TEC should be given in either BT or AIT.

796 valid responses

Q 30. TEC developers are considering the development of lessons for skill levels 3 and 4. Do you feel there is a need for TEC lessons at these higher skill levels?

	Percentages	Exclusion (C)
A. Yes.	70.7	80.3
B. No.	17.4	19.7
C. I do not know.	11.9	-

Analysis: Self-explanatory.

789 valid responses

Q 31. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful.	21.6	22.4
B.	Useful.	39.6	41.2
C.	Somewhat useful.	33.1	34.4
D.	Not at all useful.	1.9	2.0
E.	I do not know.	3.8	-

Analysis: Nearly all of the officers stated that TEC is useful to some degree.

788 valid responses

35

Trainer Major Findings

1. 74% of trainers stated that they did use TEC to train soldiers in the past 24 months. Of these, 35% used 1-5 lessons, 36% used 6-15 lessons, 20% used 16-40 lessons and 9% used more than 41 lessons.

2. 71% stated that they did use TEC to train themselves in the past 24 months. Of these, 44% used 1-5 lessons, 34% used 6-15 lessons, 16% used 16-40 lessons and 6% used more than 41 lessons.

3. 95% of trainers that use TEC use sight and sound lessons to train their soldiers. 55% rarely or never had anything go wrong with the equipment.

4. 58% use TEC as part of a lecture.
    61% use TEC with demonstrations.
    71% use TEC with, or to prepare, for hands on exercises.
    57% use TEC to meet short lead time training requirements.

5. 81% of trainers encourages the use of TEC.

6. 98% of the trainers who use TEC feel that it helps their soldiers performance on SQT. 64% feel that it helps a lot.

7. 97% of the trainers who use TEC feel that it helps their units MOS training. 59% feel that it helps a lot.

8. 35% felt that most of the TEC MOS lessons are current and up to date, while 41% felt that about half were current.

9. 56% stated that they rarely or never, find incorrect information in TEC lessons. 37% indicate that they have sometimes discovered wrong data.

10. 63% stated that they learned about TEC through Battalion Training Management System (BTMS) and learning centers.

11. 61% of the trainers use the TEC pretests. Of these, 44% use it to determine if an individual needs refresher training, 29% use it to determine if an individual needs initial training and 11% use it as a proficiency exam. 97% of those who use TEC pretest feel that they are useful to various degrees.

12. 98% of those who use TEC feel it is useful in various degrees. 66% feel that TEC is interesting and 11% feel that it is boring.

13. 78% allow their soldiers time during duty hours to use TEC. 80% encourage their soldiers to use TEC during off duty hours. Most trainers encourage use of TEC by specific assignments and announcements.

14. 36% of the trainers feel that there has been no command emphasis for their Company Commanders. 41% feel that there has been no command emphasis from their Battalion Commanders.

15. 47% feel that soldiers should be required to use TEC. The trainers main reason for using TEC is as an aid for classes and to improve their own job proficiency. Trainers feel soldiers should use TEC to increase job proficiency, SQT preparation and MOS training. They feel that soldiers do not use TEC for varied reasons, ranging from no available time to not interested in TEC lessons themselves.

16. 70% of the trainers feel that new soldiers should be informed about TEC in BT or AIT.

17. 91% of NCOs feel there is a need for TEC at skill levels 3 and 4.

TRAINER

E-6 thru E-7

2,320 Surveyed

839 Responded

695 Completed Survey

The following statistics are based on the responses
from Trainers who have used TEC in the past 24 months.

Q 11. During the past 24 months, about how many different TEC lessons have you used <u>to train soldiers</u>?

	Percentages	Exclusion (A)
A. None	26.0	--
B. 1-5 lessons	26.0	35.2
C. 6 - 15 lessons	26.6	36.0
D. 16 - 40 lessons	15.0	20.2
E. 41 or more lessons	6.3	8.6

Analysis: 74% of the trainers stated that they did use TEC to train the soldier in the past 24 months. 35% indicated they have used 1-5 TEC lessons and 36% used 6 to 15 lessons.

695 valid responses

Q 12. During the past 24 months, about how many different TEC lessons have you used to train <u>yourself</u>?

		Percentage	Exclusion (Λ)
A.	None	29.3	--
B.	1 - 5 lessons	30.9	43.8
C.	6 - 15 lessons	24.0	33.9
D.	16 - 40 lessons	11.4	16.2
E.	41 or more lessons	4.3	6.1

Analysis: 71% of the trainers stated they use TEC to train themselves in the past 24 months. Of these, 44% stated that they have used less than 5 lessons; 34% used 6 to 15 TEC lessons.

<p align="center">692 valid responses</p>

Q 13. When you train your soldiers with TEC, which of the following do you use the most?

	Percentages	Exclusion (D)
A. TEC sight and sound lessons	74.2	95.3
B. TEC sound only lessons	1.3	1.7
C. TEC printed lessons	2.3	3.0
D. I do not use TEC to train my soldiers	22.2	--

Analysis: Ninety-five percent of the group used sight and sound lessons when they train their soldiers with TEC.

690 valid responses

Question: When you train soldiers, do you ever use TEC in the following ways?

		YES	NO
Q 14.	Use TEC as part of a lecture	58.2	41.8
Q 15.	Show TEC sight and sound instead of giving a lecture	44.6	55.4
Q 16.	Use TEC with demonstrations	61.1	38.9
Q 17.	Use TEC with or to prepare for hands on exercises	71.2	28.8
Q 18.	Use TEC to meet short lead time training requirements	56.9	43.1

Analysis: Q 14. 58% of trainers use TEC as part of a lecture

Q 15. 55% of trainers give lectures instead of just showing TEC sight and sound lessons.

Q 16. 61% of trainers use TEC lessons with demonstations.

Q 17. 71% of trainers use TEC with hands on exercises.

Q 18. 57% of trainers use TEC to meet short lead time training requirements.

Valid responses

Q 14. 687

Q 15. 681

Q 16. 684

Q 17. 685

Q 18. 684

42

Q 19. How often have you encouraged your soldiers to use TEC in preparing
       for their SQT?

		Percentage
A.	Frequently	52.5
B.	Sometimes	28.7
C.	Rarely	7.5
D.	Never	11.2

Analysis: 81% of trainers encourage the use of TEC.

689 valid responses

Q 20. Do you think that using TEC helps your soldiers' performance on their SQT?

		Percentages	Exclusion (A & E)
A.	Does not apply; my soldiers do not use TEC to study for their SQT	13.6	--
B.	Using TEC helps a lot	47.5	63.6
C.	Using TEC helps a little	25.6	34.2
D.	Using TEC does not help at all	1.6	2.1
E.	I do not know	11.7	--

Analysis: Of the trainers who feel TEC improves SQT performance, 64% feel it helps a lot.

692 valid responses

44

Q 21. Do you think that using TEC helps your units' MOS training?

		Percentages	Exclusions (A & E)
A.	Does not apply; my soldiers do not use TEC for MOS training	14.0	--
B.	Using TEC helps a lot	44.6	58.8
C.	Using TEC helps a little	29.1	38.3
D.	Using TEC does not help at all	2.2	2.9
E.	I do not know	10.2	--

Analysis: Of the trainers who use TEC, almost 60% feel it helps a lot in improving MOS training.

688 valid responses

Q 22. In your opinion how many of the TEC MOS lessons that you are familiar
with are current and up to date?

		Percentages	Exclusion (A)
A.	Does not apply; I am not familiar with any TEC MOS lessons	13.2	--
B.	Most	30.0	34.5
C.	About half	35.7	41.2
D.	Few	18.1	20.8
E.	None	3.0	3.5

Analysis: Of the trainers who are familiar with TEC MOS lessons, 35% feel that
most are up to date and 41% indicated that about half are current.

691 valid responses

46

Q 23. How were you originally informed on how to use TEC?

		Percentages	Exclusion (A)
A.	I was not told how to use TEC	6.2	--
B.	I read the TEC literature (such as Green Tabbers in the TEC lessons, etc)	7.6	8.1
C.	Through Battalion Training Management System (BIMS)	38.1	40.6
D.	Through the Learning Center	21.5	22.9
E.	Extension Training Materials Catalog	1.3	1.3
F.	Extension Training Materials Availability List	.8	.8
G.	My supervisor	9.5	10.1
H.	Other NCOs	14.2	15.2
I.	Received TEC through supply	.8	.8
J.	Other	.1	.1

Analysis: Battalion Training Management System (BIMS) is the more frequent method by which trainers become informed about TEC.

632 valid responses

Q 24.   How are the TEC pretest usually used in your unit?

		Percentages	Exclusion (A)
A.	Does n t apply; we do not use TEC pretests or I never heard of TEC pretests	39.0	--
B.	As tests to determine if an individual needs initial training	18.0	29.5
C.	As tests to determine if an individual needs refresher training	26.7	43.8
D.	As proficiency exams	6.7	11.0
E.	As tests to determine overall unit readiness	3.3	5.5
F.	Other	6.3	10.2

Analysis: TEC pretests are used by 44% of trainers to identify individuals who require refresher training.

688 valid responses

48

Q 25. How useful are these TEC pretests?

		Percentage	Exclusions (A)
A.	Does not apply; I have never heard of the TEC pretests, or my soldiers have never used TEC pretests.	36.3	--
B.	Very useful	24.1	37.9
C.	Useful	26.0	40.9
D.	Somewhat useful	11.9	18.7
E.	Not at all useful	1.6	2.5

Analysis: Of the trainers who are familiar with TEC pretests, nearly 80% feel that they are useful to one degree or another. Thirty-six percent of the respondents have never heard of TEC pretests.

688 valid responses

49

Q 26. How often have you noticed incorrect information in a TEC lesson?

		Percentage
A.	Frequently	7.6
B.	Sometimes	36.8
C.	Rarely	38.5
D.	Never	17.1

Analysis: 56% of trainers stated that there is rarely or never incorrect information in TEC lessons. 37% indicated that they have sometimes discovered wrong data.

684 valid responses

Q 27. When you use TEC sight and sound lessons to train your soldiers, how often has something gone wrong with the equipment?

		Percentage	Exclusion (A)
A.	Does not apply; I have not used TEC sight and sound lessons	13.6	--
B.	Frequently	6.8	7.9
C.	Sometimes	32.2	37.3
D.	Rarely	38.3	44.4
E.	Never	9.0	10.4

Analysis: Of the trainers who use TEC, 55% indicated that they rarely or never have equipment problems when using TEC sight and sound lessons.

689 valid responses

51

Q 28. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful	35.1	37.9
B.	Useful	36.8	39.7
C.	Somewhat useful	18.7	20.2
D.	Not at all useful	2.0	2.2
E.	I do not know	7.4	--

Analysis: Nearly 80% of the respondents indicated that TEC is either useful or very useful.

690 valid responses

Q 29.   Overall, are the TEC lessons interesting or boring?

		Percentages	Exclusion (F)
A.	Very interesting	9.9	10.6
B.	Interesting	51.5	55.2
C.	Neither interesting nor boring	21.8	23.3
D.	Boring	7.0	7.5
E.	Very boring	3.2	3.4
F.	I do not know	6.7	--

Analysis: 66% feel that TEC is interesting

689 valid responses

53

Q 30. Do you allow your soldiers time during <u>duty</u> hours to use TEC?

	Percentages
A. Yes	78.1
B. No	21.9

Analysis: 78% of trainers allow duty time to use TEC

685 valid responses

Q 31.   Do you encourage your soldiers to use TEC during <u>off</u> duty hours?

		Percentages
A.	Yes	80.1
B.	No	19.9

Analysis: 80% of the trainers encourage off duty use of TEC

682 valid responses

Q 32. Which one of the following best describes how you encourage the use of TEC?

		Percentages	Exclusion(Λ)
A.	Does not apply; I do not encourage the use of TEC	10.4	--
B.	General instructions to my unit	13.2	14.7
C.	Specific assignments to individuals	25.8	28.8
D.	Announcements encouraging use	25.7	28.6
E.	Emphasize the personal reward	14.5	16.2
F.	Other	10.4	11.7

Analysis: Most trainers encourage use of TEC thru either specific assignments or announcements.

690 valid responses

Q 33. To what extent has there been command emphasis from the Company Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	8.0	9.2
B.	Moderate extent	19.2	22.0
C.	Some extent	28.3	32.5
D.	No extent	31.6	36.3
E.	I do not know	12.9	--

Analysis: The largest majority of trainers indicated that there has been no command emphasis from their Company Commanders.

689 valid responses

Q 34. To what extent has there been command emphasis from the Battalion Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	**9.0**	11.7
B.	Moderate extent	14.5	18.9
C.	Some extent	22.1	28.7
D.	No extent	31.2	40.6
E.	I do not know	23.2	--

Analysis: The largest majority of trainers state that there has been no command emphasis from their Battalion Commander.

689 valid responses

Q 35. In your opinion, should every soldier be <u>required</u> to use TEC?

		<u>Percentages</u>
A.	Yes	47.2
B.	No	38.6
C.	I do not know	14.3

Analysis: 47% of the respondents indicated that soldiers should be required
to use TEC.

687 valid responses

Q 36. Which answer best describes why you use TEC?

		Percentages
A.	Does not apply; I do not use TEC	11.6
B.	For SQT preparation	11.9
C.	For MOS training	9.8
D.	As an aid in preparing or giving classes	29.5
E.	To get ready for promotion boards	.5
F.	To learn something totally new	2.3
G.	For review	9.6
H.	To prepare for ARTEP	.8
I.	To increase job proficiency	24.2
J.	Other	0.0

Analysis: The two main reasons that NCOs use TEC is as an aid for classes and to improve their own job proficiency.

665 valid responses

Q 37. Which answer best describes why your soldiers use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; my soldiers do not use TEC	11.8	--
B.	For SQT preparation	17.1	19.3
C.	For MOS training	15.7	17.8
D.	As an aid in preparing or giving classes	6.8	7.7
E.	To get ready for promotion boards	1.6	1.8
F.	To learn something totally new	4.7	5.3
G.	For review	11.2	12.7
H.	To prepare for ARTEP	1.0	1.2
I.	To increase job proficiency	25.1	28.5
J.	Other	5.0	5.7
K.	I do not know	--	--

Analysis: NCOs stated that the reasons soldiers use TEC is to increase their job proficiency, SQT preparation and MOS training.

680 valid responses

Q 38. Which answer best describes why you do not use TEC more often?

		Percentages
A.	TEC is not easy to get	11.8
B.	I do not know enough about TEC	3.0
C.	There are no TEC lessons for the subject I need	22.2
D.	There is not enough time to allow for any type of individual training	14.5
E.	I am not interested in this type of training	1.9
F.	I do not like TEC (the lessons are too boring, poorly constructed, etc.)	4.4
G.	For a reason other than above	42.2

Analysis: Of the NCOs who do not use TEC, 42% did not indicate a reason.

676 valid responses

Q 39. Which answer best describes why you think soldiers do not use TEC more often?

		Percentages	Exclusion (H)
A.	TEC is not easy to get	8.3	10.1
B.	Soldiers do not know about TEC	12.4	15.0
C.	TEC lessons are not available for the subjects soldiers need	14.8	17.8
D.	There is not enough time for any type of individual training	11.6	13.9
E.	Soldiers are not interested in this type of training	8.6	10.4
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	8.8	10.6
G.	For a reason other than the above	18.4	22.2
H.	I do not know	17.0	--

Analysis: Input from trainers indicate that the reasons why soldiers do not use TEC are extremely varied, ranging from no available time to not interested in the TEC lessons themselves.

683 valid responses

Q 40. When do you think soldiers should first be informed of what TEC is, and how to use TEC?

		Percentages	Exclusion (E)
A.	Basic Training	34.7	35.3
B.	AIT	35.9	36.5
C.	First unit of assignment (after training)	27.1	27.5
D.	Other	.7	.7
E.	I do not know	1.6	--

Analysis: 70% of trainers think that new soldiers should be informed about TEC in either Basic Training or Advanced Individual Training (AIT).

691 valid responses

Q 41.   TEC developers are considering the development of lessons for skill
        levels 3 and 4. Do you feel there is a need for TEC lessons at these
        higher skill levels?

	Percentages	Exclusion (C)
A. Yes	85.6	91.0
B. No	8.5	9.0
C. I do not know	5.9	--

Analysis: 91% of NCOs feel there is a need for TEC at higher skill levels.

681 valid responses

65

Users Major Findings

1. 52% of the users stated that they did use TEC to train in the past 24 months. Of these, 45% used 1-5 lessons, 32% used 6-15 lessons, 18% used 16-40 lessons and 5% used more than 41 lessons.

2. TEC sight and sound lessons are the most widely used type of TEC lessons. 57% stated that they rarely or never experience problems with the equipment used.

3. 42% use TEC for SQT preparation. Of these, 98% felt it helps their performance in various degrees.

4. 38% felt that most of the TEC lessons for their MOS had been current and up to date. 25% felt that half of the TEC lessons were current. 70% of the users stated they rarely or never found incorrect information in TEC lessons.

5. 90% of the surveyed population had soldiers manual of which 57% used at least on a weekly basis. 76% use TEC in conjunction with their soldier's manual when learning duty position MOS tasks. Of these, 85% felt TEC was useful to various degrees.

6. 28% stated that they found out which TEC lessons they should study from a learning center. 20% stated that their trainer assigns lesson or is asked which lesson should be studied.

7. 74% have heard of the TEC pretests. Of these 53% use it. 92% of those who use the pretest felt it was useful to various degrees.

8. 74% feel that the difficulty level of TEC lessons is about right. Only 1% stated it was too difficult.

9. 63% of those surveyed are allowed time during duty hours to use TEC. However, 47% stated that they are encouraged to use TEC during off duty hours. Encouragement is given primarily by the trainer.

10. TEC is used mainly during duty hours primarily to improve job proficiency and aid in preparing for classes. 30% feel that TEC is not used more often because soldiers are unaware of the TEC Program.

11. 65% feel that TEC should be mandatory for use by all soldiers.

12. 98% of the users feel that TEC is useful to various degrees. 52% feel that TEC lessons are interesting with 14% feeling that they are boring.

USERS

E-1 thru E-5

4,200 Surveyed

1,113 Responded

748 Completed survey

The following statistics are based on the responses
from Users who have used TEC in the past 24 months.

Q 11. How many different TEC lessons did you use during the past 24 months?

	Percentage	Exclusion (A)
A. None	48.2	--
B. 1-5 lessons	23.5	45.3
C. 6-15 lessons	16.5	31.9
D. 16-40 lessons	9.2	17.7
E. 41 or more lessons	2.6	5.1

Analysis: 52% of the users used TEC during the past 24 months.

1100 valid responses

Question: Within the last 24 months have you used the following types of TEC Lessons?

		Yes	No
Q 12.	TEC Sight and Sound Lessons	87.1%	12.9%
Q 13.	TEC Sound Only Lessons	16.0%	84.0%
Q 14.	TEC Printed Lessons	31.4%	68.6%

Analysis: Input indicates that of those personnel who have used TEC Lessons in the past 24 months, Sight and Sound Lessons received the most usage.

Q 12   584 valid responses.

Q 13   574 valid responses.

Q 14   574 valid responses.

Q 15.   Which of the following do you use the most?

		Percentages	Exclusion (D)
A.	TEC Sight and Sound Lessons.	82.6	88.0
B.	TEC Sound Only Lessons	1.4	1.5
C.	TEC Printed Lessons	9.9	10.6
D.	None of the above	6.1	--

Analysis: Input indicates that TEC Sight and Sound Lessons are used the most.   This type lesson was utilized by 88% of the responding Users.

575 valid responses

Q 16.   During your most recent SQT preparation, did you use TEC?

	Percentages	Exclusion (C)
A. Yes	39.9	41.9
B. No	55.4	58.1
C. I do not know	4.7	--

Analysis: 42% of the surveyed soldiers used TEC to prepare for their SQT.

<div align="center">574 valid responses</div>

Q 17. Do you think that using TEC helped your performance on your most
       recent SQT?

		Percentages	Exclusion (A & E)
A.	Does not apply; I did not use TEC to study for my SQT.	48.9	--
B.	Using TEC helped a lot	18.8	42.5
C.	Using TEC helped a little	24.5	55.5
d.	Using TEC did not help at all	.9	2.0
e.	I do not know	7.0	--

Analysis: Almost all soldiers (98%) who have used TEC for SQT preparation felt
           it helped their performance to some degree.

                  575 valid responses.

72

Q 18.   In your opinion how many of the TEC lessons for your MOS that
        you have used, have been current and up to date?

		Percentage	Exclusion (A & B)
A.	Does not apply; I have never used the TEC lessons for my MOS	25.0	--
B.	Does not apply; there are no TEC lessons for my MOS	4.0	--
C.	Most	26.7	37.6
D.	About half	17.9	25.1
E.	Few	22.4	31.5
F.	None	4.2	5.9

Analysis: Of the respondents who have TEC lessons for their MOS and have used
           them, over 1/3 feel that they are up to date. 25% stated that
           about half are current and less than 1/3 said that few are current.

<div align="center">577 valid responses</div>

Q 19. Do you have the soldier's manual which describes or explains the
       tasks for your current duty position?

		Percentages	Exclusion (C)
A.	Yes	88.9	89.8
B.	No	10.1	10.2
C.	I do not know	1.0	--

Analysis: 90% of the respondents have soldier's manuals for their duty
           positions.

577 valid responses

Q 20. How often do you learn about the duty position MOS tasks in your soldier,s manual?

		Percentages	Exclusion (A)
A.	Does not apply; I do not have a soldier's manual.	5.0	--
B.	Daily (5 to 7 times a week)	11.2	11.8
C.	2 to 4 times a week	19.8	20.9
D.	Once a week	24.1	25.4
E.	Once a month	14.3	15.1
F.	Less than once a month	18.1	19.1
G.	Never	7.4	7.8

Analysis: The frequency of use of the soldier's manual for learning duty position tasks varies from 7 times a week to less than once a month.

580 valid responses.

75

Q 21. When you learn about the duty position MOS tasks in your soldier's manual, how often do you use TEC?

		Percentages	Exclusion (A & B)
A.	Does not apply; I do not have a soldier's manual or I never learned about the duty position MOS tasks in my soldier'e manual.	7.3	--
B.	Does not apply; there are no TEC lessons for my duty position MOS tasks.	7.1	--
C.	Always	2.2	2.6
D.	Most of the time	10.0	11.7
E.	About half the time	11.8	13.7
F.	Sometimes	41.5	48.5
G.	Never	20.1	23.4

Analysis: Input indicates that about 50% of the soldiers sometimes use TEC in conjunction with their soldier's manual when learning duty position MOS tasks.

578 valid responses.

Q 22. How helpful is TEC in teaching you about the duty position MOS tasks
       in your soldier's manual?

		Percentages	Exclusion (A)
A.	Does not apply; I do not have a soldier's manual or I have never used TEC to learn about duty position MOS tasks in my soldier's manual.	25.9	--
B.	Very helpful	25.5	34.4
C.	Somewhat helpful	37.5	50.6
D.	Not much help	7.6	10.3
E.	No help at all	3.5	4.7

Analysis: Of the Users who have soldier's manuals and use TEC in conjunction
           with them, over 50% feel that TEC is somewhat useful in teaching
           about duty position MOS tasks in their soldier's manual. 34% feel
           feel that TEC is very helpful.

576 valid responses.

Q 23. How do you usually find out which TEC lessons you should study?

A.	My unit trainer assigns the lessons	14.3
B.	I ask my unit trainer	6.1
C.	I ask someone else (other enlisted, NCO's, company officers)	5.2
D.	Soldiers's Manual	14.5
E.	Learning Center	28.3
F.	I choose the lessons I want to study	20.5
G.	Extension Training Materials Catalog	2.6
H.	Extension Training Materials Availability List	2.1
I.	Other	6.3

Analysis: Of the many in which an individual can find out what TEC lessons they should study, results indicate that the learning center is the source most utilized.

572 valid responses.

Q 24. How often do you take the TEC pretests before using a TEC lesson?

		Percentages	Exclusion (A)
A.	I have never heard of the TEC pretests	26.1	--
B.	Always	10.6	14.4
C.	Most of the time	11.1	15.1
D.	Sometimes	17.0	23.1
E.	Rarely	17.0	23.1
F.	Never	18.1	24.5

Analysis: 74% have heard of the TEC pretest. Of these, 53% use it.
47% indicated that they rarely or never used them.

575 valid responses

Q 25. How useful are these TEC pretests?

		Percentages	Exclusion (A)
A.	Does not apply; I have never heard of TEC pretests	35.4	--
B.	Very useful	16.8	25.9
C.	Useful	23.5	36.4
D.	Somewhat useful	19.3	29.9
E.	Not useful at all	5.0	7.8

Analysis: Over 90% of the surveyed soldiers who are aware of TEC pretests indicate that TEC pretests are useful to one degree or another. Over 1/3 of the soldiers have never heard of TEC pretests.

579 valid responses.

Q 26. How often have you noticed incorrect information in a TEC lesson?

		Percentage
A.	Frequently	4.2
B.	Sometimes	26.6
C.	Rarely	42.6
D.	Never	26.6

Analysis: 70% of Users stated that they rarely or never found incorrect information in TEC lessons.

575 valid responses.

Q 27.   When you use TEC sight and sound lessons, how often has something
gone wrong with the equipment?

		Percentages	Exclusion (A)
A.	Does not apply; I have never used TEC sight and sound lessons	7.3	--
B.	Frequently	10.0	10.8
C.	Sometimes	28.3	30.5
D.	Rarely	34.0	36.7
E.	Never	20.4	22.0

Analysis: Nearly 60% of the respondents indicated that they rarely or never
experience problem with the equipment used with TEC sight and
sound lessons.

579 valid responses.

Q 28.   How difficult to learn were the TEC lessons you have used?

		Percentages
A.	Too difficult	1.2
B.	About right	74.1
C.	Too easy	24.7

Analysis: Nearly 3/4 of the respondents stated that the difficulty level of the TEC lessons is about right.

571 valid responses.

Q 29. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful	33.9	35.1
B.	Useful	39.4	40.8
C.	Somewhat useful	21.8	22.5
D.	Not useful at all	1.6	1.6
E.	I do not know	3.3	--

Analysis: Over 75% of the Users feel that TEC is useful.

578 valid responses.

Q 30. Overall, are the TEC lessons interesting or boring?

		Percentages	Exclusion (F)
A.	Very interesting	6.2	6.4
B.	Interesting	45.8	47.0
C.	Neither interesting nor boring	31.5	32.4
D.	Boring	10.9	11.2
E.	Very boring	2.9	3.0
F.	I do not know	2.6	--

Analysis: Over half of the respondents feel TEC is interesting and 33% do
not feel TEC is either interesting or boring.

577 valid responses

Q 31. Are you allowed time during <u>duty</u> hours to use TEC?

	Percentages	Exclusion (C)
A. Yes	58.3	62.7
B. No	34.7	37.3
C. I do not know	6.9	--

Analysis: 63% of the surveyed soldier are allowed duty time to use TEC.

576 valid responses.

Q 32. Are you encouraged to use TEC during <u>off</u> duty hours?

		Percentages	Exclusion (C)
A.	Yes	43.2	46.5
B.	No	49.7	53.5
C.	I do not know	7.1	--

Analysis: Over half of the Users are not encouraged to use TEC during off
duty hours.

577 valid responses.

Q 33. When do you actually use TEC?

		Percentage
A.	During duty hours	50.8
B.	During off-duty hours	23.2
C,	During both duty and off-duty hours	26.0

Analysis: TEC is used mainly during duty hours.

561 valid responses.

Q 34. Which one of the following best describes how you are encouraged to use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I am not encouraged to use TEC	23.4	--
B.	Specific assignment from the unit trainer	28.5	37.2
C.	General commands from the unit trainer	7.1	9.3
D.	Announcements from the Company Commander encouraging use	4.2	5.4
E.	Announcements from the Battalion Commander encouraging use	1.6	2.0
F.	Rewards or recognition for use	2.4	3.2
G.	Other	32.9	42.9

Analysis: Of the individuals who are encouraged to use TEC, 37% receive specific assignments from their unit trainers.

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578 valid responses.

Q 35. In your opinion, should every soldier be <u>required</u> to use TEC?

	Percentages	Exclusion (C)
A. Yes	58.1	65.0
B. No	31.3	35.0
C. I do not know	10.6	--

Analysis: 65% feel TEC should be mandatory for use by all soldiers.

575 valid responses.

Q 36.   Which answer best describes your main reason for using TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not use TEC	3.7	--
B.	For SQT preparation	12.9	13.4
C.	For MOS training	9.8	10.1
D.	As an aid in preparing or giving classes	22.0	22.8
E.	To get ready for promotion boards	2.1	2.2
F.	To learn something totally new	9.8	10.1
G.	For review	10.1	10.5
H.	To prepare for ARTEP	.9	.9
I.	To increase job proficiency	23.7	24.6
J.	Other	5.1	5.3

Analysis: The two main reasons for using TEC are to improve job proficiency and to aid in preparing for classes.

573 valid responses.

91

Q 37. Which answer best describes why you think TEC is not used more often?

		Percentages	Exclusion (H)
A.	TEC is not easy to get	4.8	5.3
B.	Soldiers do not know about TEC	26.0	28.9
C.	TEC lessons are not available for the subjects soldiers need	9.1	10.1
D.	There is not enough time for any type of individual training	14.6	16.2
E.	Soldiers are not interested in this type of training	10.0	11.1
F.	Soldiers do not like TEC (the lessons are too boring, poorly cpnstructed, etc.)	10.0	11.1
G.	For a reason other than the above	15.7	17.4
H.	I do not know	9.8	--

Analysis: Close to 30% of the respondents feel that main reason why TEC is not used more often is that soldiers are unaware of the TEC program.

561 valid responses.

TRAINING EXTENSION COURSE SURVEY

-RESERVE COMPONENT-

Exclusions. Some questions in this survey contained
answers which allowed soldiers to indicate that they
had no knowledge or no opinion about the subject. To
clarify and obtain statistics on the soldiers with
input, the individuals who stated that they did not
know or had no opinion were excluded from the data.
These deletions are referred to as exclusions and
percentages have been adjusted to reflect the statis-
tics on soldiers with opinions. Both percentages and
exclusion tables are indicated for those questions which
fall into this category.

Summary of TEC Utilization Survey
Reserve Component

1. The purpose of this Survey is to provide a comprehensive evaluation of the TEC program from the perceptions of officers, trainers and TEC users within the Army. The Reserve Component was based upon stratified random sample designs, stratified by grade categories (01-04, E6-E7, E1-E5) and selected by terminal digits of social security numbers. The sample consisted of 1,200 officers, 1,485 trainers, and 1,145 users of which 516 officers, 267 trainers, and 172 users responded with usable answer sheets. This results in a 43%, 18%, and 15% return rate respectively. The overall return rate for this sample is 25%, however, the return rate of users was too low to validate that portion of the survey.

II. The Survey indicated that TEC is utilized primarily to improve job proficiency, SQT preparation, MOS training and to prepare for classes. 82% of the NCO trainers used TEC to train the soldier and 80% used TEC to train themselves. Of the trainers that used TEC, 99% felt that it improved SQT performance while 98% felt that TEC improved MOS skills. 51% of the Enlisted users stated that they used TEC. Of these, 98% felt that it has helped their performance on SQT while 85% felt that it has helped their performance in their MOS.

III. The main source of education on the TEC program came from the Battalion Training Management System (BTMS), learning centers and the NCO trainer. The Survey showed that 64% of the trainers and 77% of the users used the TEC pretest, indicating that they were fully aware of how the TEC program works. Of these, 99% of the trainers and 94% of the users felt that the pretest was useful.

IV. The Survey indicated that TEC usage should be mandatory. 51% of the officers, 61% of the trainers, and 65% of the users felt that TEC usage should be mandatory. In addition, 91% of the officers and 96% of the trainers agree that TEC should be developed for higher skill levels.

V. The Survey indicated that the TEC program does not have a great deal of command emphasis. The officers survey indicated that 15% felt that there was no command emphasis at the company level while 50% felt there was at least moderate emphasis and 35% felt there was some emphasis. At the battalion level, 20% of the officers felt that there was no command emphasis while 44% felt there was at least moderate emphasis and 36% felt there was some emphasis. The trainers survey indicated that 21% felt there was no command emphasis at the company level while 40% felt there was at least moderate emphasis and 39% felt there was some emphasis. At the battalion level, 29% of the trainers felt there was no command emphasis while 31% felt there was at least moderate emphasis and 40% felt there was some emphasis. The users survey indicated that 84% were encouraged to use TEC during duty hours while 56% were encouraged to use TEC after duty hours.

Officer's Major Finding

1. 65% of the officers surveyed were told how to use TEC thru Battalion Training Management System (BTMS), Learning Centers, Officer Basic/Advance Courses or ROTC programs.

2. 87% of the survey population stated they encourage their NCO trainer to use TEC in their training program. Methods of encouragement are general instruction, specific assignments and announcements.

3. 90% stated that they allow soldier time during duty hours to use TEC. 66% stated they encourage soldiers to use TEC during off duty hours.

4. 85% of the officers aware of the TEC program indicated unit command emphasis in various degrees. 80% indicated battalion commander emphasis in various degrees.

5. 79% of the survey population stated that they encourage soldiers to use TEC in preparing for their SQT. Of these 99% felt using TEC helps to various degrees. 69% agree that TEC improves job performance. Nearly all officers felt that TEC is useful in various degrees.

6. 56% indicated that most of the TEC lessons that they are familiar with are current. 72% stated they rarely found incorrect information in TEC lessons. 47% indicate that they rarely experience equipment failure when using TEC sight and sound. 16% stated that lesson content was least liked about TEC.

7. 33% of the survey population stated that soldiers do not use TEC because lessons are not available or there is not enough time for any type of individual train.ng.

8. 81% feel soldiers should first be informed of what TEC is in either BT or AIT.

9. 37% of the officers feel that the main reason why soldiers use TEC is to prepare for or give classes.

10. 91% feel that TEC lessons should be developed for skill levels 3 and 4.

11. 51% feel that soldiers should be required to use TEC.

OFFICERS

0-1 thru 0-4

1,200 Surveyed

516 Responded

370 Completed Survey

The following statistics are based on the responses
from Officers who have used TEC in the past 24 months.

Q 12. How were you originally informed on how to use TEC?

		Percentages
A.	I was never told how to use TEC	8.9
B.	I read the TEC literature (such as the "Green Tabbers" in the TEC lessons, etc.)	8.6
C.	Through the Battalion Training Management System (BTMS)	27.3
D.	Through the Learning Center	15.4
E.	Through my Basic or Advanced Officer courses	11.4
F.	Through ROTC	11.4
G.	Extension Training Materials (ETM) Catalog	1.6
H.	Extension Training Materials Availability List	.3
I.	My supervisor	3.8
J.	Received TEC through supply	2.7
K.	Other	8.6

Analysis: Over 65% of officers were told how to use TEC thru Battalion Training Management System (BTMS), Learning Centers, Officer Basic/Advance Courses or ROTC Programs.

370 valid responses

Q 13. Do you encourage your NCO trainers to use TEC in their training program?

		Percentages
A.	Yes	87.2
B.	No	12.8

Analysis: Self-explanatory

360 valid responses

Q 14. Which one of the following best describes how you encourage
soldiers to use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not encourage the use of TEC	8.5	–
B.	General instructions to my unit	31.7	34.6
C.	Specific assignments to individuals	23.7	25.9
D.	Announcements encouraging use	23.1	25.3
E.	Emphasize the personal reward	3.6	3.9
F.	Other	9.4	10.2

Analysis: Some of the main means used by officers to encourage their soldiers
to use TEC are general instructions, specific assignments and
announcements.

363 valid responses

Q 15. Do you allow soldiers time during <u>duty</u> hours to use TEC?

		Percentages
A.	Yes	90.5
B.	No	9.5

Analysis: Self-explanatory

357 valid responses

Q 16. Do you encourage soldiers to use TEC during <u>off</u> duty hours?

		Percentages
A.	Yes	66.4
B.	No	33.6

Analysis: Self-explanatory.

360 valid responses

Q 17. To what extent has there been command emphasis from the Company
        Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent.	12.4	15.5
B.	Moderate extent.	27.5	34.4
C.	Some extent.	28.4	35.4
D.	No extent.	11.8	14.8
E.	I do not know.	19.8	—

Analysis: Of the officers who were aware of the TEC program 85% indicated
           unit command emphasis to one extent or another.

363 valid responses

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Q 18. To what extent has there been command emphasis from the Battalion
       Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent.	10.6	14.4
B.	Moderate extent.	22.1	29.9
C.	Some extent.	26.5	36.0
D.	No extent.	14.5	19.7
E.	I do not know.	26.3	—

Analysis: Eighty percent indicated battalion commander emphasis in different
           degrees.

358 valid responses

Q 19. How often have you encouraged soldiers to use TEC in preparing for their SQT?

		Percentages
A.	Frequently.	43.5
B.	Sometimes.	35.7
C.	Rarely.	11.4
D.	Never.	9.4

Analysis: Self-explanatory.

361 valid responses

Q 20. Do you think that using TEC helps soldiers' performance on their SQT?

	Percentages	Exclusion (A,E)
A. Does not apply; my soldiers do not use TEC to study for their SQT.	3.6	–
B. Using TEC helps a lot.	50.6	62.5
C. Using TEC helps a little.	29.3	36.2
D. Using TEC does not help at all.	1.1	1.4
E. I do not know.	15.5	–

Analysis: Sixty-two percent feel TEC helps a lot to improve SQT performance.

362 valid responses

Q 21. Soldiers who use TEC show better job performance as a result.

		Percentages	Exclusion (A)
A.	Does not apply: I have not observed or supervised soldiers who have used TEC.	8.1	–
B.	Strongly agree.	15.6	17.0
C.	Agree.	48.0	52.3
D.	Neither agree or disagree.	27.4	29.8
E.	Disagree.	0.8	0.9
F.	Strongly disagree.	0.0	0.0

Analysis: Sixty-nine percent agree that TEC improves job performance.

358 valid responses

Q 22. Which answer best describes why soldiers use TEC?

		Percentages	Exclusion (A & K)
A.	Does not apply; my soldiers do not use TEC.	2.5	–
B.	For SQT preparation.	13.6	14.8
C.	For MOS training.	16.1	17.5
D.	As an aid in preparing or giving classes.	33.8	36.9
E.	To get ready for promotion boards.	0.0	0.0
F.	To learn something totally new.	3.9	4.2
G.	For review.	12.2	13.3
H.	To prepare for unit test (ARTEP).	0.0	0.0
I.	To increase job proficiency.	0.6	0.6
J.	Other.	11.6	12.7
K.	I do not know.	1.1	–

Analysis: Thirty-seven percent feel the main reason why soldiers use TEC is to prepare for or give classes.

344 valid responses

Q 23. When you use the TEC sight and sound lessons to train soldiers, how often has something gone wrong with the equipment?

		Percentages	Exclusion (A)
A.	Does not apply; I have not used TEC sight and sound lessons.	10.6	–
B.	Frequently.	8.1	9.1
C.	Sometimes.	38.0	42.5
D.	Rarely.	38.3	42.8
E.	Never.	5.0	5.6

Analysis: Forty-eight percent indicate that they rarely or never experience equipment problems when using TEC sight and sound.

358 valid responses

108

Q 24.   In your opinion, how many of the TEC MOS lessons that you are
        familiar with are current and up to date?

		Percentages	Exclusion (A)
A.	Does not apply; I am not familiar with any TEC MOS lessons	20.1	–
B.	Most.	45.0	56.3
C.	About half.	25.4	31.8
D.	Few.	9.2	11.5
E.	None.	0.3	0.3

Analysis: Fifty-six percent indicated that most of the TEC lessons that
            they are familiar with are current.

                        358 valid responses

Q 25.   How often have you noticed incorrect information in a TEC lesson?

		Percentages
A.	Frequently.	1.7
B.	Sometimes.	25.9
C.	Rarely.	50.1
D.	Never.	22.2

Analysis: Nearly seventy-two percent stated they rarely found incorrect information in TEC lessons.

351 valid responses

Q 26.   What do you like least about TEC?

		Percentages
A.	I have problems receiving enough lessons.	3.7
B.	I have problems receiving the right type of lessons.	13.9
C.	TEC does not make lessons for the subjects that my soldiers need.	13.9
D.	The TEC lessons are not kept in a convenient location for my soldiers.	6.0
E.	The TEC lessons are not available at convenient hours for my soldiers.	8.2
F.	The TEC equipment breaks down too often.	6.0
G.	The content of the TEC lessons (e.g., information is incorrect or not current, boring, too simple, etc.)	16.5
H.	Providing space and security for the equipment/materials.	9.9
I.	Other.	21.9

Analysis: Lesson content is least liked about TEC.

352 valid responses

111

Q 27. Which answer best describes why you think soldiers do not use
TEC more often.

		Percentages	Exclusion (H)
A.	TEC is not easy to get.	10.4	12.3
B.	Soldiers do not know about TEC.	12.0	14.3
C.	TEC lessons are not available for the subject soldiers need.	14.3	17.0
D.	There is not enough time for any type of individual training.	13.4	16.0
E.	Soldiers are not interested in this type of training.	7.3	8.7
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	10.6	12.7
G.	For reason other than the above.	16.0	19.0
H.	I do not know.	16.0	–

Analysis: Thirty-three percent of officers stated that soldiers do not use
TEC because lessons are not available or there is not enough
time for any type of individual training.

357 valid responses

Q 28. In your opnion, should every soldier be required to use TEC?

	Percentages	Exclusion (C)
A. Yes.	44.6	50.6
B. No.	43.5	49.4
C. I do not know.	11.9	-

Analysis: Self-explanatory.

361 valid responses

Q 29.   When do you think <u>soldiers</u> should first be informed of what TEC is, and how to use TEC?

		Percentages	Exclusion (E)
A.	Basic Training.	50.7	51.5
B.	AIT.	29.6	30.1
C.	First unit of assignment (after training).	16.9	17.2
D.	Other.	1.1	1.1
E.	I do not know.	1.0	-

Analysis: Eighty-one percent feel TEC should be given in either BT or AIT.

361 valid responses

Q 30. TEC developers are considering the development of lessons for skill levels 3 and 4. Do you feel there is a need for TEC lessons at these higher skill levels?

	Percentages	Exclusion (C)
A. Yes.	79.6	90.7
B. No.	8.1	9.3
C. I do not know.	12.3	-

Analysis: Self-explanatory.

357 valid responses

Q 31. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful.	29.6	31.3
B.	Useful.	44.5	47.2
C.	Somewhat useful.	19.7	20.9
D.	Not at all useful.	0.6	0.6
E.	I do not know.	5.6	-

Analysis: Nearly all of the officers stated that TEC is useful to some degree.

355 valid responses

Trainer Major Findings

1. 82% of trainers stated that they did use TEC to train soldiers in the past 24 months. Of these, 42% used 1-5 lessons, 40% used 6-15 lessons, 13% used 16-40 lessons and 4% used more than 41 lessons.

2. 80% stated that they did use TEC to train themselves in the past 24 months. Of these, 51% used 1-5 lessons, 35% used 6-15 lessons, 12% used 16-40 lessons and 2% used more than 41 lessons.

3. 96% of trainers that use TEC use sight and sound lessons to train their soldiers. 45% rarely or never had anything go wrong with the equipment.

4. 69% use TEC as part of a lecture.
    65% use TEC with demonstrations.
    76% use TEC with, or to prepare, for hands on exercises.
    63% use TEC to meet short lead time training requirements.

5. 82% of trainers encourages the use of TEC.

6. 99% of the trainers who use TEC feel that it helps their soldiers performance on SQT. 65% feel that it helps a lot.

7. 98% of the trainers who use TEC feel that it helps their units MOS training. 64% feel that it helps a lot.

8. 54% felt that most of the TEC MOS lessons are current and up to date, while 27% felt that about half were current.

9. 69% stated that they rarely or never, find incorrect information in TEC lessons. 29% indicate that they have sometimes discovered wrong data.

10. 60% stated that they learned about TEC through Battalion Training Management System (BTMS) and learning centers.

11. 64% of the trainers use the TEC pretests. Of these, 42% use it to determine if an individual needs refresher training. 32% use it to determine if an individual needs initial training and 11% use it as a proficiency exam. 99% of those who use TEC pretest feel that they are useful to various degrees.

12. 98% of those who use TEC feel it is useful in various degrees. 76% feel that TEC is interesting and 5% feel that it is boring.

13. 88% allow their soldiers time during duty hours to use TEC. 54% encourage their soldiers to use TEC during off duty hours. Most trainers encourage use of TEC by specific assignments and announcements.

14. 21% of the trainers feel that there has been no command emphasis for their Company Commanders. 29% feel that there has been no command emphasis from their Battalion Commanders.

15. 61% feel that soldiers should be required to use TEC. The trainers main reason for using TEC is as an aid for classes, to improve their own job proficiency and for MOS training. Trainers feel soldiers should use TEC to increase job proficiency, aid in preparing or giving classes, SQT preparation and MOS training. They feel that soldiers do not use TEC for varied reasons, ranging from no available time to not interested in TEC lessons themselves.

16. 65% of the trainers feel that new soldiers should be informed about TEC in BT or AIT.

17. 96% of NCOs feel there is a need for TEC at skill levels 3 and 4.

TRAINER

E-6 thru E-7

1,485 Surveyed

267 Responded

223 Completed Survey

The following statistics are based on the responses
from Trainers who have used TEC in the past 24 months.

Q 11. During the past 24 months, about how many different TEC lessons
have you used <u>to train soldiers</u>?

		Percentage	Exclusion (A)
A.	None	17.9	--
B.	1-5 lessons	34.5	42.1
C.	6-15 lessons	33.2	40.4
D.	16-40 lessons	11.2	13.7
E.	41 or more lessons	3.1	3.8

Analysis: 82% of the trainers stated that they did use TEC to train the
soldiers in the past 24 months. Of these 42% indicated they
have used 1-5 TEC lessons and 40% used 6 to 15 lessons.

223 valid responses

Q 12.   During the past 24 months, about how many different TEC lessons have
you used to train yourself?

		Percentage	Exclusion (A)
A.	None	19.7	--
B.	1-5 lessons	40.8	50.8
C.	6-15 lessons	28.3	35.2
D.	16-40 lessons	9.4	11.7
E.	41 or more lessons	1.8	2.2

Analysis: 71% of the trainers stated they used TEC to train themselves
in the past 24 months. Of these, 51% stated that they have
used less than 5 lessons; 35% used 6 to 15 TEC lessons.

223 valid responses

Q 13. When you train your soldiers with TEC, which of the following do
you use the most?

		Percentages	Exclusion (D)
A.	TEC sight and sound lessons	81.4	95.7
B.	TEC sound only lessons	0.5	0.5
C.	TEC printed lessons	3.2	3.7
D.	I do not use TEC to train my soldiers	14.9	—

Analysis: Ninety-six percent of the group used sight and sound lessons when
they train their soldiers with TEC.

221 valid responses

Question: When you train soldiers, do you ever use TEC in the following ways?

		Yes	No
Q 14.	Use TEC as part of a lecture	69.4	30.6
Q 15.	Show TEC sight and sound instead of giving a lecture	45.2	54.8
Q 16.	Use TEC with demonstrations	65.0	35.0
Q 17.	Use TEC with or to prepare for hands on exercises	75.6	24.4
Q 18.	Use TEC to meet short lead time training requirements	63.0	37.0

Analysis: Q 14. 69% of trainers use TEC as part of a lecture

Q 15. 55% of trainers give lectures instead of just showing TEC sight and sound lessons

Q 16. 65% of trainers use TEC lessons with demonstrations.

Q 17. 76% of trainers use TEC with hands on exercises

Q 18. 63% of trainers use TEC to meet short lead time training requirements

Valid responses

Q 14. 222

Q 15. 221

Q 16. 220

Q 17. 221

Q 18. 219

Q 19. How often have you encouraged your soldiers to use TEC in preparing for their SQT?

		Percentage
A.	Frequently	48.6
B.	Sometimes	33.5
C.	Rarely	6.4
D.	Never	11.5

Analysis: 82% of trainers encourage the use of TEC.

218 valid responses

Q 20. Do you think that using TEC helps your soldier's performance on their SQT?

		Percentages	Exclusion (A&E)
A.	Does not apply; my soldiers do not use TEC to study for their SQT	11.2	–
B.	Using TEC helps a lot	48.9	64.9
C.	Using TEC helps a little	26.0	34.5
D.	Using TEC does not help at all	0.4	0.6
E.	I do not know	13.5	–

Analysis: Of the trainers who feel TEC improves SQT performance, 65% feel it helps a lot.

223 valid responses

Q 21.   Do you think that using TEC helps your units' MOS training?

		Percentages	Exclusions (A&E)
A.	Does not apply; my soldiers do not use TEC for MOS training	9.0	–
B.	Using TEC helps a lot	50.7	64.2
C.	Using TEC helps a little	27.4	34.7
D.	Using TEC does not help at all	0.9	1.1
E.	I do not know	12.1	–

Analysis: Of the trainers who use TEC, almost 64% feel it helps a lot in improving MOS training.

223 valid responses

Q 22.   In your opinion how many of the TEC MOS lessons that you are familiar
with are current and up ·to date?

		Percentages	Exclusion (A)
A.	Does not apply; I am not familiar with any TEC MOS lessons	11.7	-
B.	Most	47.7	54.4
C.	About half	23.4	26.7
D.	Few	16.2	18.5
E.	None	0.9	0.5

Analysis: Of the trainers who are familiar with TEC MOS lessons, 54% feel
that most are up to date and 26% indicated that about half are current.

222 valid responses

Q 23. How were you originally informed on how to use TEC?

		Percentages	Exclusion (A)
A.	I was not told how to use TEC	9.6	–
B.	I read the TEC literature (such as Green Tabbers in the TEC lessons, etc)	1.9	2.1
C.	Through Battalion Training Management System (BTMS)	38.0	42.0
D.	Through the Learning Center	16.3	18.1
E.	Extension Training Materials Catalog	1.9	2.1
F.	Extension Training Materials Availability List	0.0	0.0
G.	My supervisor	8.7	9.6
H.	Other NCOs	20.7	22.9
I.	Received TEC through supply	2.9	3.2
J.	Other	0.0	0.0

Analysis: Battalion Training Management System (BTMS) is the most frequent method by which trainers become informed about TEC.

208 valid responses

Q. 24. How are the TEC pretests usually used in your unit?

		Percentages	Exclusion (A)
A.	Does not apply; we do not use TEC pretests or I never heard of TEC pretests	36.5	–
B.	As tests to determine if an individual needs initial training	20.5	32.4
C.	As tests to determine if an individual needs refresher training	26.5	41.7
D.	As proficiency exams	1.8	2.9
E.	As tests to determine overall unit readiness	6.8	10.8
F.	Other	7.8	12.2

Analysis: TEC pretests are used by 42% of trainers to identify individuals who require refresher training.

219 valid responses

Q 25.   How useful are these TEC pretests?

		Percentages	Exclusion (A)
A.	Does not apply; I have never heard of the TEC pretests, or my soldiers have never used TEC pretests	34.1	-
B.	Very useful	26.4	40.0
C.	Useful	29.1	44.1
D.	Somewhat useful	9.5	14.5
E.	Not at all useful	0.9	1.4

Analysis: Of the trainers who are familiar with TEC pretests, nearly 88% feel that they are useful to one degree or another. Thirty-four percent of the respondents have never heard of TEC pretests.

220 valid responses

Q 26. How often have you noticed incorrect information in a TEC lesson?

		Percentage
A.	Frequently	2.3
B.	Sometimes	28.8
C.	Rarely	47.9
D.	Never	21.0

Analysis: 69% of trainers stated that there is rarely or never incorrect information in TEC lessons. 29% indicated that they have sometimes discovered wrong data.

219 valid responses

Q 28. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful	39.9	43.4
B.	Useful	38.1	41.5
C.	Somewhat useful	12.6	13.7
D.	Not at all useful	1.3	1.5
E.	I do not know	8.1	--

Analysis: Nearly 85% of the respondents indicated that TEC is either useful or very useful.

223 valid responses

Q 27. When you use TEC sight and sound lessons to train your soldiers, how often has something gone wrong with the equipment?

		Percentage	Exclusion (A)
A.	Does not apply; I have not used TEC sight and sound lessons	10.3	--
B.	Frequently	12.1	13.5
C.	Sometimes	37.2	41.5
D.	Rarely	36.3	40.5
E.	Never	4.0	4.5

Analysis: Of the trainers who use TEC, 45% indicated that they rarely or never, have equipment problems when using TEC sight and sound lessons.

223 valid responses

Q 29. Overall, are the TEC lessons interesting or boring?

		Percentages	Exclusion (F)
A.	Very interesting	14.3	15.5
B.	Interesting	56.5	60.9
C.	Neither interesting or boring	14.3	15.5
D.	Boring	4.5	4.8
E.	Very boring	3.1	3.4
F.	I do not know	7.2	--

Analysis: **76%** feel that TEC is interesting

223 valid responses

Q 30. Do you allow your soldiers time during <u>duty</u> hours to use TEC?

		Percentages
A.	Yes	88.3
B.	No	11.7

Analysis: 88% of trainers allow duty time to use TEC

222 valid responses

Q 31. Do you encourage your soldiers to use TEC during off duty hours?

		Percentages
A.	Yes	54.1
B.	No	45.9

Analysis: 54% of the trainers encourage off duty use of TEC

222 valid responses

Q 32. Which one of the following <u>best</u> describes how you encourage the use of TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not encourage the use of TEC	8.6	--
B.	General instructions to my unit	17.1	18.8
C.	Specific assignments to individuals	34.2	37.6
D.	Announcements encouraging use	23.9	26.2
E.	Emphasize the personal reward	9.5	10.4
F.	Other	6.8	6.9

Analysis: Most trainers encourage use of TEC thru either specific assignments or announcements.

222 valid responses

Q 33. To what extent has there been command emphasis from the Company
       Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	12.6	14.2
B.	Moderate extent	22.9	25.9
C.	Some extent	34.5	39.1
D.	No extent	18.8	20.8
E.	I do not know	11.2	--

Analysis: The large majority of trainers indicated that there has been
           command emphasis from their Company Commanders.

223 valid responses

Q 34. To what extent has there been command emphasis from the Battalion
       Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	7.2	10.2
B.	Moderate extent	14.8	21.0
C.	Some extent	28.3	40.1
D.	No extent	20.6	28.7
E.	I do not know	29.1	--

Analysis: The large majority of trainers state that there has been command
           emphasis from their Battalion Commander.

223 valid responses

139

Q 35.   In your opinion, should every soldier be <u>required</u> to use TEC?

		<u>Percentage</u>
A.	Yes	60.6
B.	No	25.3
C.	I do not know	14.0

Analysis: 61% of the respondents indicated that soldiers should be required
to use TEC.

221 valid responses

140

Q 36. Which answer best describes why you use TEC?

		Percentages
A.	Does not apply; I do not use TEC	9.3
B.	For SQT preparation	7.0
C.	For MOS training	14.5
D.	As an aid in preparing or giving classes	39.7
E.	To get ready for promotion boards	0.0
F.	To learn something totally new	7.0
G.	For review	5.1
H.	To prepare for ARTEP	0.5
I.	To increase job proficiency	16.8
J.	Other	0.0

Analysis: The main reason that NCOs use TEC is as an aid for classes, improve their own job proficiency and for MOS training.

214 valid responses

141

Q 37. Which answer <u>best</u> describes why your <u>soldiers</u> use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; my soldiers do not use TEC	8.5	--
B.	For SQT preparation	13.5	14.8
C.	For MOS training	12.6	13.3
D.	As an aid in preparing or giving classes	18.4	20.2
E.	To get ready for promotion boards	0.0	0.0
F.	To learn something totally new	6.7	7.4
G.	For review	7.2	7.9
H.	To prepare for ARTEP	1.8	2.0
I.	To increase job proficiency	26.5	29.1
J.	Other	4.9	5.4
K.	I do not know	0.0	--

Analysis: NCOs stated that the reasons soldiers use TEC is to increase their job proficiency, aid in preparing or giving classes, SQT preparation and MOS training.

223 valid responses

142

Q 38. Which answer best describes why <u>you</u> do not use TEC more often?

		Percentages
A.	TEC is not easy to get	12.6
B.	I do not know enough about TEC	8.4
C.	There are no TEC lessons for the subject I need	21.0
D.	There is not enough time to allow for <u>any</u> type of individual training	17.8
E.	I am not interested in this type of training	0.9
F.	I do not like TEC (the lessons are too boring, poorly constructed, etc.)	3.3
G.	For a reason other than above	36.0

Analysis: Of the NCOs who do not use TEC, 36% did not indicate a reason.

214 valid responses

Q 39. Which answer <u>best</u> describes why you think <u>soldiers</u> do not use TEC more often?

		Percentages	Exclusion (H)
A.	TEC is not easy to get	11.8	13.4
B.	Soldiers do not know about TEC	9.5	10.8
C.	TEC lessons are not available for the subjects soldiers need	14.5	16.5
D.	There is not enough time for <u>any</u> type of individual training	20.4	23.2
E.	Soldiers are not interested in this type of training	7.2	8.2
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	5.9	6.7
G.	For a reason other than the above	18.6	21.1
H.	I do not know	12.2	--

Analysis: Input from trainers indicate that the reasons why soldiers do not use TEC are extremely varied, ranging from no available time to not interested in the TEC lessons themselves.

221 valid responses

144

Q 40. When do you think soldiers should first be informed of what TEC is, and how to use TEC?

		Percentages	Exclusion (E)
A.	Basic Training	42.1	43.7
B.	AIT	20.8	21.6
C.	First unit of assignment (after training)	32.6	33.3
D.	Other	1.4	1.4
E.	I do not know	3.2	--

Analysis: 65% of trainers think that new soldiers should be informed about TEC in either Basic Training or Advanced Individual Training (AIT).

221 valid responses

Q 41. TEC developers are considering·the development of lessons for skill
       levels 3 and 4. Do you feel there is a need for TEC lessons at these
       higher skill levels?

	Percentages	Exclusion (C)
A. Yes	88.1	95.5
B. No	4.1	4.5
C. I do not know	7.8	--

Analysis: 96% of NCOs feel there is a need for TEC at higher skill levels.

219 valid responses

146

Users Major Findings

1. 51% of the users stated that they did use TEC to train in the past 24 months. Of these, 42% used 1-5 lessons, 34% used 6-15 lessons, 21% used 16-40 lessons and 4% used more than 41 lessons.

2. TEC sight and sound lessons are the most widely used type of TEC lessons. 57% stated that they rarely or never experience problems with the equipment used.

3. 48% use TEC for SQT preparation. Of these, 98% felt it helps their performance in various degrees.

4. 50% felt that most of the TEC lessons for their MOS had been current and up to date. 21% felt that half of the TEC lessons were current. 82% of the users stated they rarely or never found incorrect information in TEC lessons.

5. 90% of the surveyed population had soldiers manual of which 56% used at least on a monthly basis. 83% use TEC in conjunction with their soldier's manual when learning duty position MOS tasks. Of these, 85% felt TEC was useful to various degrees.

6. 22% stated that they choose the TEC lessons they want to study. 31% stated that their trainer assigns lessons or is asked which lesson should be studied.

7. 78% have heard of the TEC pretests. Of these, 53% use it. 94% of those who use the pretest felt it was useful to various degrees.

8. 74% feel that the difficulty level of TEC lessons is about right. 10% stated it was too difficult.

9. 84% of those surveyed are allowed time during duty hours to use TEC. However, 56% stated that they are encouraged to use TEC during off duty hours. Encouragement is given primarily by the trainer.

10. TEC is used mainly during duty hours primarily to improve job proficiency and aid in preparing for classes. 36% feel that TEC is not used more often because soldiers are unaware of the TEC Program and there is not enough time available for individual training.

11. 66% feel that TEC should be mandatory for use by all soldiers.

12. 98% of the users feel that TEC is useful to various degrees. 60% feel that TEC lessons are interesting with 8% feeling that they are boring.

USERS

E-1 thru E-5

1,145 Surveyed

172 Responded

103 Completed Survey

The following statistics are based on the responses
from Users who have used TEC in the past 24 months.

Q 11. How many different TEC lessons did you use during the past 24 months?

	Percentage	Exclusion (A)
A. None	49.4	--
B. 1-5 lessons	21.2	41.9
C. 6-15 lessons	17.1	33.7
D. 16-40 lessons	10.6	20.9
E. 41 or more lessons	1.8	3.5

Analysis: 51% of the users used TEC during the past 24 months.

170 valid responses

Question: Within the last 24 months have you used the following types of TEC lessons:

		Yes	No
Q 12.	TEC Sight and Sound Lessons	81.9	'8.1
Q 13.	TEC Sound Only Lessons	20.8	79.2
Q 14.	TEC Printed Lessons	36.2	63.2

Analysis: Input indicates that of those personnel who have used TEC Lessons in the past 24 months, Sight and Sound Lessons received the most usage.

Q 12   94 valid responses.

Q 13   101 valid responses.

Q 14   95 valid responses.

Q 15. Which of the following do you use the most?

		Percentages	Exclusion (D)
A.	TEC Sight and Sound Lessons.	78.6	89.0
B.	TEC Sound Only Lessons	1.0	1.1
C.	TEC Printed Lessons	8.7	9.9
D.	None of the above.	11.7	-

Analysis: Input indicates that TEC Sight and Sound Lessons are used the most. This type lesson was utilized by 89% of the responding Users.

103 valid responses

Q 16. During your most recent SQT preparation, did you use TEC?

		Percentage	Exclusion (C)
A.	Yes	44.7	48.4
B.	No	47.6	51.6
C.	I do not know	7.8	--

Analysis: 48% of the surveyed soldiers used TEC to prepare for their SQT.

103 valid responses

Q 17.   Do you think that using TEC helped your performance on your most
        recent SQT?

		Percentages	Exclusion (A&E)
A.	Does not apply; I did not use TEC to study for my SQT.	44.7	-
B.	Using TEC helped a lot.	24.3	49.0
C.	Using TEC helped a little.	24.3	49.0
D.	Using TEC did not help at all.	1.0	2.0
E.	I do not know.	5.8	-

Analysis: Almost all soldiers (98%) who have used TEC for SQT preparation
            felt it helped their performance to some degree.

103 valid responses

153

Q 18.   In your opinion how many of the TEC lessons for your MOS that you have
        used, have been current and up to date?

		Percentages	Exclusion (A&B)
A.	Does not apply; I have never used the TEC lessons for my MOS.	20.4	–
B.	Does not apply; there are no TEC lessons for my MOS.	1.9	–
C.	Most.	38.8	50.0
D.	About half.	16.5	21.2
E.	Few.	15.5	20.0
F.	None.	6.8	8.8

Analysis: Of the respondents who have TEC lessons for their MOS and have
           used them, over 50% feel that they are up to date. 21% stated
           that about half are current and 20% said that few are current.

103 valid responses

154

Q 19. Do you have the soldier's manual which describes or explains the tasks for your current duty position?

		Percentages	Exclusion (C)
A.	Yes	87.3	89.9
B.	No	9.8	10.1
C.	I do not know	2.9	-

Analysis: 90% of the respondents have soldier's manuals for their duty positions.

102 valid responses

155

Q 20. How often do you learn about the duty position MOS tasks in your soldier's manual?

		Percentages	Exclusion (A)
A.	Does not apply; I do not have a soldier's manual.	3.9	–
B.	Daily (5 to 7 times a week).	9.7	10.1
C.	2 to 4 times a week.	2.9	3.0
D.	Once a week.	10.7	11.1
E.	Once a month.	53.4	55.6
F.	Less than once a month.	13.6	14.1
G.	Never.	5.8	6.1

Analysis: 56% use of the soldier's manual for learning duty position tasks at least once a month.

103 valid responses

Q 21. When you learn about the duty position MOS tasks in your soldier's manual, how often do you use TEC?

		Percentages	Exclusion (A&B)
A.	Does not apply; I do not have a soldier's manual or I never learned about the duty position MOS tasks in my soldier's manual.	5.9	–
B.	Does not apply; there are no TEC lessons for my duty position MOS tasks.	5.0	–
C.	Always.	8.9	10.0
D.	Most of the time.	11.9	13.3
E.	About half the time.	15.8	17.8
F.	Sometimes.	37.6	42.2
G.	Never.	14.9	16.7

Analysis: Input indicates that about 42% of the soldiers sometimes use TEC in conjunction with their soldier's manual when learning duty position MOS tasks.

101 valid responses

157

Q 22.   How helpful is TEC in teaching you about the duty position MOS
        tasks in your soldier's manual?

		Percentages	Exclusion (A)
A.	Does not apply; I do not have a soldier's manual or I have never used TEC to learn about duty position MOS tasks in my soldier's manual.	13.8	–
B.	Very helpful.	39.4	45.7
C.	Somewhat helpful.	34.0	39.5
D.	Not much help.	8.5	9.9
E.	No help at all.	4.3	4.9

Analysis: Of the Users who have soldier's manuals and use TEC in conjunction
            with them, 46% feel that TEC is very useful in teaching
            about duty position MOS tasks in their soldier's manual. 40% feel
            that TEC is somewhat helpful.

94 valid responses

Q 23. How do you usually find out which TEC lessons you should study?

		Percentage
A.	My unit trainer assigns the lessons.	17.5
B.	I ask my unit trainer.	13.4
C.	I ask someone else (other enlisted, NCO's, company officers).	8.2
D.	Soldier's Manual.	18.6
E.	Learning Center.	11.3
F.	I choose the lessons I want to study.	21.6
G.	Extension Training Materials Catalog.	1.0
H.	Extension Training Materials Availability List.	3.1
I.	Other.	5.2

Analysis: Of the many sources in which an individual can find out what TEC lessons they should study, results indicate that the trainer is the source most utilized.

97 valid responses

Q 24.   How often do you take the TEC pretests before using a TEC lesson?

		Percentage	Exclusion (A)
A.	I have never heard of the TEC pretests	22.5	--
B.	Always	9.8	12.7
C.	Most of the time	15.7	20.3
D.	Sometimes	15.7	20.3
E.	Rarely	19.6	25.3
F.	Never	16.7	21.5

Analysis: 78% heard of the TEC pretest. Of these 53% use it. 47% indicated that they rarely or never used them.

102 valid responses

160

Q 25. How useful are these TEC pretests?

		Percentages	Exclusion (A)
A.	Does not apply; I have never heard of TEC pretests.	30.7	–
B.	Very useful.	18.8	27.1
C.	Useful.	26.	38.6
D.	Somewhat useful.	19.8	28.6
E.	Not useful at all.	4.0	5.7

Analysis: Over 94% of the surveyed soldiers who are aware of TEC pretests indicate that TEC pretests are useful to one degree or another. Over 30% of the soldiers have never heard of TEC pretests.

101 valid responses

161

Q 26.   How often have you noticed incorrect information in a TEC lesson?

		Percentage
A.	Frequently.	3.2
B.	Sometimes.	14.9
C.	Rarely.	45.7
D.	Never	36.2

Analysis: 82% of Users stated that they rarely or never found incorrect information in TEC lessons.

94 valid responses

A 27. When you use TEC sight and sound lessons, how often has something
gone wrong with the equipment?

		Percentages	Exclusion (A)
A.	Does not apply; I have never used TEC sight and sound lessons.	11.3	-
B.	Frequently.	11.3	12.8
C.	Sometimes.	26.8	30.2
D.	Rarely.	38.1	43.0
E.	Never.	12.4	14.0

Analysis: Nearly 57% of the respondents indicated that they rarely or never
experienc   blem with the equipment used with TEC sight and
sound les   .

97 valid responses

Q 28. How difficult to learn were the TEC lessons you have used?

		Percentages
A.	Too difficult.	9.9
B.	About right.	74.3
C.	Too easy.	15.8

Analysis: Nearly 3/4 of the respondents stated that the difficulty level of the TEC lessons is about right.

101 valid responses

Q 29.   All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful.	38.2	39.8
B.	Useful	37.3	38.8
C.	Somewhat useful.	18.6	19.4
D.	Not useful at all.	2.0	2.0
E.	I do not know	3.9	-

Analysis: Over 78% of the Users feel that TEC is useful.

102 valid responses

Q 30. Overall, are the TEC lessons interesting or boring?

		Percentages	Exclusion (F)
A.	Very interesting.	14.7	15.3
B.	Interesting.	43.1	44.9
C.	Neither interesting nor boring.	30.4	31.6
D.	Boring	6.9	7.1
E.	Very boring.	1.0	1.0
F.	I do not know.	3.9	-

Analysis: 60% of the respondents feel TEC is interesting and 32% do not feel TEC is either interesting or boring.

102 valid responses

Q 31. Are you allowed time during <u>duty</u> hours to use TEC?

		Percentages	Exclusion (C)
A.	Yes	73.3	84.1
B.	No	13.9	15.9
C.	I do not know	12.9	-

Analysis: 84% of the surveyed soldiers are allowed duty time to use TEC.

101 valid responses

Q 32. Are you encouraged to use TEC during <u>off</u> duty hours?

	Percentage	Exclusion (C)
A. Yes	47.3	55.8
B. No	37.4	44.2
C. I do not know	15.4	--

Analysis: 56% of the Users are encouraged to use TEC during off duty hours.

91 valid responses

168

Q 33.   When do you actually use TEC?

		Percentage
A.	During duty hours.	67.4
B.	During off-duty hours.	7.9
C.	During both duty and off-duty hours.	24.7

Analysis: TEC is used mainly during duty hours.

89 valid responses

Q 34. Which one of the following best describes how you are encouraged to use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I am not encouraged to use TEC.	18.5	-
B.	Specific assignment from the unit trainer	40.2	49.3
C.	General commands from the unit trainer.	12.0	14.7
D.	Announcements from the Company Commander encouraging use.	3.3	4.0
E.	Announcements from the Battalion Commander encouraging use.	0.0	0.0
F.	Rewards or recognition for use.	4.3	5.3
G.	Other.	21.7	26.7

Analysis: Of the individuals who are encouraged to use TEC, 49% receive specific assignments from their unit trainers.

92 valid responses

Q 35. In your opinion, should every soldier be <u>required</u> to use TEC?

		Percentages	Exclusion (C)
A.	Yes	54.3	65.8
B.	No	28.3	34.2
C.	I do not know	17.4	-

Analysis: 66% feel TEC should be mandatory for use by all soldiers.

92 valid responses

171

Q 36.   Which answer <u>best</u> describes your main reason for using TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not use TEC	7.7	–
B.	For SQT preparation	4.4	4.8
C.	For MOS training	13.2	14.3
D.	As an aid in preparing or giving classes	23.1	25.0
E.	To get ready for promotion boards	1.1	1.2
F.	To learn something totally new	11.1	11.9
G.	For review	6.6	7.1
H.	To prepare for ARTEP	0.0	0.0
I.	To increase job proficiency	29.7	32.1
J.	Other	3.3	3.6

Analysis: The two main reasons for using TEC are to improve job proficiency and to aid in preparing for classes.

91 valid responses

172

Q 37. Which answer best describes why you think TEC is not used more often?

		Percentages	Exclusion (H)
A.	TEC is not easy to get	3.3	3.9
B.	Soldiers do not know about TEC	14.4	16.9
C.	TEC lessons are not available for the subjects soldiers need	11.1	13.0
D.	There is not enough time for any type of individual training	16.7	19.5
E.	Soldiers are not interested in this type of training	10.0	11.7
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	10.0	11.7
G.	For a reason other than the above	20.0	23.4
H.	I do not know	14.4	--

Analysis: The respondents feel that main reason why TEC is not used
more often is that there is not enough time available for
individual training and soldiers are unaware of the TEC
program.

90 valid responses

TRAINING EXTENSION COURSE SURVEY

-NATIONAL GUARD-

Exclusions. Some questions in this survey contained
answers which allowed soldiers to indicate that they
had no knowledge or no opinion about the subject. To
clarify and obtain statistics on the soldiers with
input, the individuals who stated that they did not
know or had no opinion were exluded from the data.
These deletions are referred to as exclusions and
percentages have been adjusted to reflect the statis-
tics on soldiers with opinions. Both percentages and
exclusion tables are indicated for those questions which
fall into this category.

Summary of TEC Utilization Survey
National Guard

I. The purpose of this Survey is to provide a comprehensive evaluation of the TEC program from the perceptions of officers, trainers and TEC users within the Army. The National Guard was based upon a sample of 81 units, stratified by grade categories (01-04, E6-E7, E1-E5). The sample consisted of 42 units responding with 154 officers, 380 trainers, and 1,370 users with usable answer sheets. The overall return rate for this sample could not be determined, since the survey was mailed to units not individuals.

II. The Survey indicated that TEC is utilized primarily to improve job proficiency, SQT preparation, MOS training and to prepare for classes. 85% of the NCO trainers used TEC to train the soldier and 83% used TEC to train themselves. Of the trainers that used TEC, 99% felt that it improved SQT performance while 98% felt that TEC improved MOS skills. 68% of the Enlisted users stated that they used TEC. Of these, 97% felt that it has helped their performance on SQT while 96% felt that it has helped their performance in their MOS.

III. The main source of education on the TEC program came from the Battalion Training Management System (BTMS), learning centers and the NCO trainer. The Survey showed that 77% of the trainers and 72% of the users used the TEC pretest, indicating that they were fully aware of how the TEC program works. Of these, 99% of the trainers and 91% of the users felt that the pretest was useful.

IV. The Survey indicated that TEC usage should be mandatory. 60% of the officers, 68% of the trainers, and 72% of the users felt that TEC usage should be mandatory. In addition, 91% of the officers and 95% of the trainers agree that TEC should be developed for higher skill levels.

V. The Survey indicated that the TEC program does not have a great deal of command emphasis. The officers survey indicated that 9% felt that there was no command emphasis at the company level while 50% felt there was at least moderate emphasis and 41% felt there was some emphasis. At the battalion level, 20% of the officers felt that there was no command emphasis while 51% felt there was at least moderate emphasis and 29% felt there was some emphasis. The trainers survey indicated that 16% felt there was no command emphasis at the company level while 49% felt there was at least moderate emphasis and 35% felt there was some emphasis. At the battalion level, 24% of the trainers felt there was no command emphasis while 41% felt there was at least moderate emphasis and 35% felt there was some emphasis. The users survey indicated that 82% were encouraged to use TEC during duty hours while 62% were encouraged to use TEC after duty hours.

Officer's Major Finding

1. 70% of the officers surveyed were told how to use TEC thru Battalion
Training Management System (BTMS), Learning Centers, Officer Basic/Advance
Courses or ROTC programs.

2. 87% of the survey population stated they encourage their NCO trainer
to use TEC in their training program. Methods of encouragement are general
instruction, specific assignments and announcements.

3. 95% stated that they allow soldier time during duty hours to use TEC.
78% stated they encourage soldiers to use TEC during off duty hours.

4. 90% of the officers aware of the TEC program indicated unit command
emphasis in various degrees. 80% indicated battalion commander emphasis
in various degrees.

5. 77% of the survey population stated that they encourage soldiers to
use TEC in preparing for their SQT. Of these, all felt using TEC helps
to various degrees. 69% agree that TEC improves job performance. Nearly
all officers felt that TEC is useful in various degrees.

6. 62% indicated that most of the TEC lessons that they are familiar with
are current. 75% stated they rarely found incorrect information in TEC
lessons. 47% indicate that they rarely experience equipment failure when
us ng TEC sight and sound. 20% stated that lesson content was least liked
ab ut TEC.

7. 44% of the survey population stated that soldiers do not use TEC because
soldiers do not like TEC, or there is not enough time for any type of
individual training.

8. 83% feel soldiers should first be informed of what TEC is in either
BT or AIT.

9. 34% of the officers feel that the main reason why soldiers use TEC
is to prepare for or give classes.

10. 91% feel that TEC lessons should be developed for skill levels 3 and 4.

11. 60% feel that soldiers should be required to use TEC.

176

OFFICERS

0-1 thru 0-4

81 Units Surveyed

42 Units Responded

154 Officers Responded

154 Completed Survey

The following statistics are based on the responses
from Officers who have used TEC in the past 24 months.

Q 12. How were you originally informed on how to use TEC?

		Percentages	Exclusion (A)
A.	I was never told how to use TEC	5.2	--
B.	I read the TEC literature (such as the "Green Tabbers" in the TEC lessons, etc)	13.1	13.8
C.	Through the Battalion Training Management System (BTMS)	37.3	39.3
D.	Through the Learning Center	7.8	8.3
E.	Through my Basic or Advanced Officer courses	8.5	9.0
F.	Through ROTC	12.4	13.1
G.	Extension Training Materials (ETM) Catalog	.7	.7
H.	Extension Training Materials Availability List	.0	.0
I.	My supervisor	6.5	6.9
J.	Received TEC through supply	1.3	1.4
K.	Other	7.2	7.6

Analysis: Nearly 70% of officers were told how to use TEC thru Battalion
Training Management System (BTMS), Learning Centers, Officer
Basic/Advance Courses or ROTC Programs.

153 valid responses

Q 13.   Do you encourage your NCO trainers to use TEC in their training
        program?

                                                    <u>Percentages</u>

    A.   Yes.   87.4

    B.   No   12.6

Analysis: Self-explanatory.

                        151 valid responses

Q 14. Which one of the following best describes how you encourage
soldiers to use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not encourage the use of TEC	7.2	–
B.	General instructions to my unit	30.9	33.3
C.	Specific assignments to individuals	32.2	34.8
D.	Announcements encouraging use	17.1	18.4
E.	Emphasize the personal reward	5.9	6.4
F.	Other	6.6	7.1

Analysis: Some of the main means used by officers to encourage their soldiers
to use TEC are general instructions, specific assignments and
announcements.

152 valid responses

Q 15. Do you allow soldiers time during <u>duty</u> hours to use TEC?

	Percentages
A. Yes	94.7
B. No	5.3

Analysis: Self-explanatory.

151 valid responses

Q 16. Do you encourage soldiers to use TEC during <u>off</u> duty hours?

	Percentages
A. Yes	77.9
B. No.	22.1

Analysis: Self-explanatory.

154 valid responses

Q 17. To what extent has there been command emphasis from the Company
        Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	16.3	18.1
B.	Moderate extent	28.6	31.9
C.	Some extent	36.6	40.6
D.	No extent	8.5	9.4
E.	I do not know	9.8	–

Analysis: Of the officers who were aware of the TEC program, 90% indicated
           unit command emphasis to one extent or another.

153 valid responses

Q 18. To what extent has there been command emphasis from the Battalion
        Commander to use TEC?

	Percentages	Exclusion (E)
A. Great extent	13.8	18.8
B. Moderate extent	23.7	32.1
C. Some extent	21.1	28.6
D. No extent	15.1	20.5
E. I do not know	26.3	--

Analysis: 80 percent indicated battalion commander emphasis in different
           degrees.

152 valid responses

Q 19. How often have you encouraged soldiers to use TEC in preparing for their SQT?

		Percentages
A.	Frequently	39.7
B.	Sometimes	37.1
C.	Rarely	12.6
D.	Never	1.6

Analysis: Self-explanatory

151 valid responses

185

Q 20. Do you think that using TEC helps soldiers' performance on their SQT?

		Percentages	Exclusion (A,E)
A.	Does not apply; my soldiers do not use TEC to study for their SQT	2.6	–
B.	Using TEC helps a lot	51.6	63.7
C.	Using TEC helps a little	29.4	36.3
D.	Using TEC does not help at all	.0	.0
E.	I do not know	16.3	

Analysis: 64 percent feel TEC helps a lot to improve SQT performance.

153 valid responses

Q 21.   Soldiers who use TEC show better job performance as a result.

		Percentages	Exclusion (A)
A.	Does not apply; I have not observed or supervised soldiers who have used TEC	4.7	-
B.	Strongly agree	24.0	25.2
C.	Agree	42.0	44.1
D.	Neither agree or disagree	27.3	28.7
E.	Disagree	2.0	2.1
F.	Strongly disagree	.0	.0

Analysis: Sixty-nine percent agree that TEC improves job performance.

150 valid responses

Q 22.   Which answer <u>best</u> describes why soldiers use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; my soldiers do not use TEC.	2.0	–
B.	For SQT preparation	12.4	13.0
C.	For MOS training	16.3	17.1
D.	As an aid in preparing or giving classes	32.7	34.2
E.	To get ready for promotion boards	.7	.7
F.	To learn something totally new	3.3	3.4
G.	For review	6.5	6.8
H.	To prepare for unit test (ARTEP)	.0	.0
I.	To increase job proficiency	1.3	1.4
J.	Other	21.6	22.6
K.	I do not know	.7	.7

Analysis: Thirty-four percent feel the main reason why soldiers use TEC is to prepare for or give classes.

<p align="center">153 valid responses</p>

Q 23. When you use the TEC sight and sound lessons to train soldiers, how
often has something gone wrong with the equipment?

		Percentages	Exclusion (A)
A.	Does not apply; I have not used TEC sight and sound lessons.	4.0	–
B.	Frequently	8.6	9.0
C.	Sometimes	35.8	37.2
D.	Rarely	45.7	47.6
E.	Never	6.0	6.2

Analysis: Fifty-four percent indicate that they rarely or never experience
equipment problems when using TEC sight and sound.

151 valid responses

Q 24.   In your opinion, how many of the TEC MOS lessons that you are
        familiar with are current and up to date?

		Percentages	Exclusion (A)
A.	Does not apply; I am not familiar with any TEC MOS lessons.	9.7	–
B.	Most.	55.8	61.9
C.	About half.	24.7	27.3
D.	Few.	9.1	10.1
E.	None.	.6	.7

Analysis: Sixty-two percent indicated that most of the TEC lessons that
           they are familiar with are current.

154 valid responses

Q 25. How often have you noticed incorrect information in a TEC lesson?

		Percentages
A.	Frequently	2.0
B.	Sometimes	23.0
C.	Rarely	58.6
D.	Never	16.4

Analysis: Nearly 60 percent stated they rarely found incorrect information in TEC lessons

152 valid responses

Q 26.   What do you like least about TEC?

	Percentages
A. I have problems receiving enough lessons	4.1
B. I have problems receiving the right type of lessons	15.5
C. TEC does not make lessons for the subjects that my soldiers need	6.1
D. The TEC lessons are not kept in a convenient location for my soldiers	4.7
E. The TEC lessons are not available at convenient hours for my soldiers	4.7
F. The TEC equipment breaks down too often	6.1
G. The content of the TEC lessons (e.g, information is incorrect or not current, boring, too simple, etc.)	20.3
H. Providing space and security for the equipment/materials	8.1
I. Other	30.4

Analysis: Of the areas that were identified, lesson content is
            least liked about TEC.

148 valid responses

192

Q 27. Which answer best describes why you think soldiers do not use TEC more often.

	Percentages	Exclusion (H)
A. TEC is not easy to get.	3.3	3.9
B. Soldiers do not know about TEC.	10.5	12.5
C. TEC lessons are not available for the subject soldiers need.	5.3	6.3
D. There is not enough time for any type of individual training.	18.4	21.9
E. Soldiers are not interested in this type of training.	5.3	6.3
F. Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	18.4	21.9
G. For reason other than the above.	23.0	27.3
H. I do not know.	15.8	-

Analysis: Nearly forty-four percent of officers stated that soldiers do not use TEC because soldiers do not like TEC or there is not enough time for any type of individual training.

152 valid responses

Q 28. In your opinion, should every soldier be <u>required</u> to use TEC?

	Percentages	Exclusion (C)
A. Yes	53.9	60.3
B. No	35.5	39.7
C. I do not know	10.5	--

Analysis: Self-explanatory

152 valid responses

Q 29. When do you think <u>soldiers</u> should first be informed of what TEC is, and how to use TEC?

		Percentages	Exclusion (E)
A.	Basic Training	51.3	52.3
B.	AIT	30.3	30.9
C.	First unit of assignment (after training)	13.2	13.4
D.	Other	3.3	3.4
E.	I do not know	2.0	--

Analysis: Eighty-three percent feel TEC should be given in either BT or AIT.

152 valid responses

195

Q 30. TEC developers are considering the development of lessons for skill levels 3 and 4. Do you feel there is a need for TEC lessons at these higher skill levels?

	Percentages	Exclusion (C)
A. Yes	84.6	90.6
B. No	8.7	9.4
C. I do not know	6.7	--

Analysis: Self-explanatory

149 valid responses

Q 31. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful	32.0	32.4
B.	Useful	46.0	46.6
C.	Somewhat useful	20.0	20.3
D.	Not at all useful	.7	.7
E.	I do not know	1.3	--

Analysis: Nearly all of the officers stated that TEC is useful to some degree.

150 valid responses

Trainer Major Findings

1. 85% of trainers stated that they did use TEC to train soldiers in the past 24 months. Of these, 51% used 1-5 lessons, 28% used 6-15 lessons, 16% used 16-40 lessons and 4% used more than 41 lessons.

2. 83% stated that they did use TEC to train themselves in the past 24 months. Of these, 56% used 1-5 lessons, 33% used 6-15 lessons, 9% used 16-40 lessons and 2% used more than 41 lessons.

3. 96% of trainers that use TEC use sight and sound lessons to train their soldiers. 45% rarely or never had anything go wrong with the equipment.

4. 70% use TEC as part of a lecture.
    75% use TEC with demonstrations.
    83% use TEC with, or to prepare, for hands on exercises.
    63% use TEC to meet short lead time training requirements.

5. 83% of trainers encourages the use of TEC.

6. 99% of the trainers who use TEC feel that it helps their soldiers performance on SQT. 75% feel that it helps a lot.

7. 98% of the trainers who use TEC feel that it helps their units MOS training. 70% feel that it helps a lot.

8. 63% felt that most of the TEC MOS lessons are current and up to date, while 22% felt that about half were current.

9. 66% stated that they rarely or never, find incorrect information in TEC lessons. 31% indicate that they have sometimes discovered wrong data.

10. 51% stated that they learned about TEC through Battalion Training Management System (BTMS) and learning centers.

11. 76% of the trainers use the TEC pretests. Of these, 47% use it to determine if an individual needs refresher training, 34% use it to determine if an individual needs initial training and 7% use it as a proficiency exam. 99% of those who use TEC pretest feel that they are useful to various degrees.

12. 99% of those who use TEC feel it is useful in various degrees. 80% feel that TEC is interesting and 6% feel that it is boring.

13. 84% allow their soldiers time during duty hours to use TEC. 69% encourage their soldiers to use TEC during off duty hours. Most trainers encourage use of TEC by specific assignments and general instruction.

14. 16% of the trainers feel that there has been no command emphasis
for their Company Commanders. 24% feel that there has been no command
emphasis from their Battalion Commanders.

15. 68% feel that soldiers should be required to use TEC. The trainers
main reason for using TEC is as an aid for classes, to improve their own
job proficiency and for MOS training. Trainers feel soldiers should use
TEC to increase job proficiency and aid in preparing or giving classes, SQT
preparation and MOS training. They feel that soldiers do not use TEC
because there is no available time.

16. 73% of the trainers feel that new soldiers should be informed about
TEC in BT or AIT.

17. 95% of NCOs feel there is a need for TEC at skill levels 3 and 4.

TRAINER

E-6 thru E-7

81 Units Surveyed

42 Units Responded

380 Trainer Responded

361 Completed Survey

The following statistics are based on the responses
from Trainers who have used TEC in the past 24 months.

Q 11. During the past 24 months, about how many different TEC lessons have
you used to train soldiers?

		Percentage	Exclusion (A)
A.	None	14.7	--
B.	1-5 lessons	44.3	51.9
C.	6-15 lessons	24.1	28.2
D.	16-40 lessons	13.9	16.2
E.	41 or more lessons	3.0	3.6

Analysis: 85% of the trainers stated that they did use TEC to train the
soldier in the past 24 months. Of these, fifty-two percent
indicated they have used 1-5 TEC lessons and twenty-eight
percent used 6 to 15 lessons.

361 valid responses

Q 12. During the past 24 months, about how many different TEC lessons have you used to train yourself?

	Percentage	Exclusion (A)
A. None	16.8	--
B. 1-5 lessons	46.6	56.0
C. 6-15 lessons	27.0	32.5
D. 16-40 lessons	7.7	9.3
E. 41 or more lessons	1.9	2.3

Analysis: 83% of the trainers stated they use TEC to train themselves in the past 24 months. Of these, fifty-six percent stated that they have used less than 5 lessons; thirty-three percent used 6 to 15 lessons. Seventeen percent indicated that they did not use TEC.

363 valid responses

Q 13.   When you train your soldiers with TEC, which of the following
        do you use the most?

		Percentages	Exclusion (D)
A.	TEC sight and sound lessons	86.1	96.3
B.	TEC sound only lessons	1.1	1.2
C.	TEC printed lessons	2.2	2.5
D.	I do not use TEC to train my soldiers	10.5	--

Analysis: Ninety-six percent of the group used sight and sound lessons when
            they train their soldiers with TEC.

361 valid responses

203

Question: When you train soldiers, do you ever use TEC in the following ways:

		YES	NO
Q14.	Use TEC as part of a lecture	70.4	29.6
Q15.	Show TEC sight and sound instead of giving a lecture	58.5	41.4
Q16.	Use TEC with demonstrations	75.2	24.8
Q17.	Use TEC with or to prepare for hands on exercises	82.8	17.2
Q18.	Use TEC to meet short lead time training requirements	66.3	33.7

Analysis: Q 14. 70% of trainers use TEC as part of a lecture

Q 15. 59% of trainers show TEC sight and sound lessons instead of giving lectures

Q 16. 75% of trainers use TEC lessons with demonstrations

Q 17. 83% of trainers use TEC with hands on exercises

Q 18. 66% of trainers use TEC to meet short lead time training requirements

Valid responses

Q 14. 358

Q 15. 353

Q 16. 359

Q 17. 355

Q 18. 359

204

Q 19.   How often have you encouraged your soldiers to use TEC in
        preparing for their SQT?

		Percentage
A.	Frequently	44.4
B.	Sometimes	38.7
C.	Rarely	10.8
D.	Never	6.0

Analysis: 83% of trainers encourage the use of TEC

351 valid responses

Q 20. Do you think that using TEC helps your soldiers' performance on their SQT?

		Percentages	Exclusion (A & E)
A.	Does not apply; my soldiers do not use TEC to study for their SQT	7.5	--
B.	Using TEC helps a lot	63.0	74.8
C.	Using TEC helps a little	20.3	24.2
D.	Using TEC does not help at all	.8	1.0
E.	I do not know	8.4	--

Analysis: Of the trainers who feel TEC improves SQT performance, 75% feel it helps a lot.

359 valid responses

Q 21. Do you think that using TEC helps your units' MOS training?

		Percentages	Exclusions (A & E)
A.	Does not apply; my soldiers do not use TEC for MOS training	5.8	--
B.	Using TEC helps a lot	62.8	69.8
C.	Using TEC helps a little	25.3	28.1
D.	Using TEC does not help at all	1.9	2.2
E.	I do not know	4.2	--

Analysis: Of the trainers who use TEC, almost 70% feel it helps a lot in improving MOS training.

360 valid responses

Q 22. In your opinion how many of the TEC MOS lessons that you are familiar
with are current and up to date?

		Percentages	Exclusion (A)
A.	Does not apply; I am not familiar with any TEC MOS lessons	7.5	--
B.	Most	58.6	63.4
C.	About half	20.6	22.2
D.	Few	11.7	12.6
E.	None	1.7	1.8

Analysis: Of the trainers who are familiar with TEC MOS lessons, 63%
feel that most are up to date and 22% indicated that about
half are current.

360 valid responses

Q 23. How were you originally informed on how to use TEC?

	Percentages	Exclusion (A)
A. 1 was not told how to use TEC	7.5	--
B. 1 read the TEC literature (such as Green Tabbers in the TEC lessons, etc)	4.6	5.0
C. Through Battalion Training Management System (BTMS)	46.7	50.5
D. Through the Learning Center	11.0	11.9
E. Extension Training Materials Catalog	.0	.0
F. Extension Training Materials Availability List	.3	.3
G. My supervisor	12.2	13.2
H. Other NCOs	16.8	18.2
I. Received TEC through supply	.9	.9
J. Other	.0	.0

Analysis: Battalion Training Management System (BTMS) is the most frequent method by which trainers become informed about TEC.

345 valid responses

Q 24. How are the TEC pretest usually used in your unit?

		Percentages	Exclusion (A)
A.	Does not apply; we do not use TEC pretests or I never heard of TEC pretests	24.5	--
B.	As tests to determine if an individual needs initial training	25.6	33.9
C.	As tests to determine if an individual needs refresher training	35.1	46.5
D.	As proficiency exams	5.3	7.0
E.	As tests to determine overall unit readiness	4.2	5.5
F.	Other	5.3	7.0

Analysis: TEC pretests are used by 47% of trainers to identify individuals who require refresher training.

359 valid responses

210

Q 25. How useful are these TEC pretests?

		Percentages	Exclusion (A)
A.	Does not apply; I have never heard of the TEC pretests, or my soldiers have never used TEC pretests	22.8	--
B.	Very useful	31.7	41.0
C.	Useful	29.4	38.1
D.	Somewhat useful	15.0	19.4
E.	Not at all useful	1.1	1.4

Analysis: Of the trainers who are familiar with TEC pretests, nearly all
feel that they are useful to one degree or another. Twenty-
three percent of the respondents have never heard of TEC pretests.

360 valid responses

Q 26. How often have you noticed incorrect information in a TEC lesson?

		Percentage
A.	Frequently	2.5
B.	Sometimes	31.3
C.	Rarely	45.5
D.	Never	20.7

Analysis: 66% of trainers stated that there is rarely or never
incorrect information in TEC lessons. 31% indicated that
they have sometimes discovered wrong data.

358 valid responses

Q 27.   When you use TEC sight and sound lessons to train your soldiers, how
often has something gone wrong with the equipment?

		Percentage	Exclusion (A)
A.	Does not apply; I have not used TEC sight and sound lessons	5.2	--
B.	Frequently	15.5	16.3
C.	Sometimes	36.5	38.5
D.	Rarely	36.2	38.2
E.	Never	6.6	7.0

Analysis: Of the trainers who use TEC, 43% indicated that they rarely have
equipment problems when using TEC sight and sound lessons.

362 valid responses

Q 28. All things considered, how useful are the TEC lessons?

	Percentages	Exclusion (E)
A. Very useful	45.6	47.0
B. Useful	35.1	36.2
C. Somewhat useful	14.9	15.4
D. Not at all useful	1.4	1.4
E. I do not know	3.0	--

Analysis: 83% of the respondents indicated that TEC is either useful of very useful.

362 valid responses

214

Q 29. Overall, are the TEC lessons interesting or boring?

		Percentage	Exclusion (F)
A.	Very interesting	14.2	14.4
B.	Interesting	64.3	65.4
C.	Neither interesting nor boring	13.9	14.2
D.	Boring	5.8	5.9
E.	Very boring	.0	.0
F.	I do not know	1.7	--

Analysis: 80% feel that TEC is interesting

359 valid responses

Q 30. Do you allow your soldiers time during <u>duty</u> hours to use TEC?

	Percentages
A. Yes	83.5
B. No	16.5

Analysis: 84% of trainers allow duty time to use TEC

355 valid responses

Q 31. Do you encourage your soldiers to use TEC during <u>off</u> duty hours?

		<u>Percentages</u>
A.	Yes	68.5
B.	No	31.5

Analysis: 69% of the trainers encourage off duty use of TEC

355 valid responses

Q 32. Which one of the following best describes how you encourage the use of TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not encourage the use of TEC	7.8	--
B.	General instructions to my unit	26.9	29.2
C.	Specific assignments to individuals	31.7	34.3
D.	Announcements encouraging use	17.6	19.1
E.	Emphasize the personal reward	9.2	10.0
F.	Other	6.7	7.3

Analysis: Most trainers encourage use of TEC thru either specific assignments or general instructions.

357 valid responses

Q 33. To what extent has there been command emphasis from the Company
       Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	14.6	15.6
B.	Moderate extent	31.5	33.6
C.	Some extent	32.6	34.8
D.	No extent	14.9	15.9
E.	I do not know	6.5	--

Analysis: The largest majority of trainers indicated that there has been
           command emphasis from their Company Commanders to varying degrees.

                        356 valid responses

Q 34. To what extent has there been command emphasis from the Battalion Commander to use TEC?

		Percentages	Exclusion (E)
A.	Great extent	12.5	15.6
B.	Moderate extent	20.8	26.0
C.	Some extent	27.8	34.7
D.	No extent	18.9	23.6
E.	I do not know	20.0	--

Analysis: The largest majority of trainers state that there has been command emphasis from their Battalion Commander to varying degrees.

360 valid responses

220

Q 35. In your opinion, should every soldier be <u>required</u> to use TEC?

		Percentages
A.	Yes	67.6
B.	No	21.6
C.	I do not know	10.8

Analysis: 68% of the respondents indicated that soldiers should be required to use TEC.

361 valid responses

Q 36. Which answer best describes why you use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I do not use TEC	5.3	--
B.	For SQT preparation	7.5	8.0
C.	For MOS training	17.0	18.0
D.	As an aid in preparing or giving classes	33.8	35.7
E.	To get ready for promotion boards	.0	.0
F.	To learn something totally new	4.5	4.7
G.	For review	7.3	7.7
H.	To prepare for ARTEP	.8	.9
I.	To increase job proficiency	23.7	25.1
J.	Other	.0	.0

Analysis: The two main reasons that NCOs use TEC is as an aid for classes to improve their own job proficiency, and MOS training.

358 valid responses

Q 37. Which answer best describes why your soldiers use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; my soldiers do not use TEC	6.8	--
B.	For SQT preparation	10.7	11.5
C.	For MOS training	20.6	22.1
D.	As an aid in preparing or giving classes	14.6	15.7
E.	To get ready for promotion boards	1.4	1.5
F.	To learn something totally new	8.2	8.8
G.	For review	7.6	8.2
H.	To prepare for ARTEP	.6	.6
I.	To increase job proficiency	27.3	29.3
J.	Other	2.3	2.4
K.	I do not know	--	--

Analysis: NCOs stated that the main reasons soldiers use TEC is to increase their job proficiency and MOS training.

339 valid responses

Q 38. Which answer best describes why you do not use TEC more often?

		Percentages
A.	TEC is not easy to get	7.0
B.	I do not know enough about TEC	5.9
C.	There are no TEC lessons for the subject I need	26.0
D.	There is not enough time to allow for any type of individual training	28.2
E.	I am not interested in this type of training	2.8
F.	I do not like TEC (the lessons are too boring, poorly constructed, etc.)	1.7
G.	For a reason other than above	34.4

Analysis: Of the NCOs who do not use TEC, 34% did not indicate a reason, almost 50% stated either no TEC lessons for needed subjects or no time for training were the best description of not using TEC.

358 valid responses

Q 39. Which answer best describes why you think soldiers do not use TEC more often?

		Percentages	Exclusion (H)
A.	TEC is not easy to get	3.1	3.7
B.	Soldiers do not know about TEC	10.7	12.6
C.	TEC lessons are not available for the subjects soldiers need	15.5	18.3
D.	There is not enough time for any type of individual training	30.5	35.9
E.	Soldiers are not interested in this type of training	6.5	7.6
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	2.3	2.7
G.	For a reason other than the above	16.4	19.3
H.	I do not know	15.0	--

Analysis: Input from trainers indicate that the reasons why soldiers do not use TEC is no available time.

354 valid responses

225

Q 40. When do you think soldiers should first be informed of what TEC is, and how to use TEC?

		Percentages	Exclusion (E)
A.	Basic Training	49.7	50.9
B.	AIT	21.5	22.0
C.	First unit of assignment (after training)	24.0	24.6
D.	Other	2.5	2.6
E.	I do not know	2.2	--

Analysis: 73% of trainers think that new soldiers should be informed about TEC in either Basic Training or Advanced Individual Training (AIT).

358 valid responses

Q 41. TEC developers are considering the development of lessons for skill levels 3 and 4. Do you feel there is a need for TEC lessons at these higher skill levels?

	Percentages	Exclusion (C)
A. Yes	89.0	94.6
B. No	5.1	9.0
C. I do not know	5.9	--

Analysis: 95% of NCOs feel there is a need for TEC at higher skill levels.

354 valid responses

Users Major Findings

1. 68% of the users stated that they did use TEC to train in the past 24 months. Of these, 43% used 1-5 lessons, 38% used 6-15 lessons, 15% used 16-40 lessons and 4% used more than 41 lessons.

2. TEC sight and sound lessons are the most widely used type of TEC lessons. 43% stated that they rarely or never experience problems with the equipment used.

3. 52% use TEC for SQT preparation. Of these, 97% felt it helps their performance in various degrees.

4. 54% felt that most of the TEC lessons for their MOS had been current and up to date. 19% felt that half of the TEC lessons were current. 70% of the users stated they rarely or never found incorrect information in TEC lessons.

5. 88% of the surveyed population had soldiers manual of which 61% used at least on a monthly basis. 89% use TEC in conjunction with their soldier's manual when learning duty position MOS tasks. Of these, 96% felt TEC was useful to various degrees.

6. 16% stated that they choose the lessons they want to study. 49% stated that their trainer assigns lesson or is asked which lesson should be studied.

7. 81% have heard of the TEC pretests. Of these, 56% use it. 91% of those who use the pretest felt it was useful to various degrees.

8. 72% feel that the difficulty level of TEC lessons is about right. 9% stated it was too difficult.

9. 82% of those surveyed are allowed time during duty hours to use TEC. However, 62% stated that they are encouraged to use TEC during off duty hours. Encouragement is given primarily by the trainer.

10. TEC is used mainly during duty hours primarily to improve job proficiency and aid in preparing for classes. 34% feel that TEC is not used more often because soldiers are unaware of the TEC Program and there is not enough time available for individual training.

11. 72% feel that TEC should be mandatory for use by all soldiers.

12. 96% of the users feel that TEC is useful to various degrees. 56% feel that TEC lessons are interesting with 18% feeling that they are boring.

228

USERS

E-1 thru E-5

81 Units Surveyed

42 Units Responded

1370 Users Responded

993 Completed Survey

The following statistics are based on the responses
from Users who have used TEC in the past 24 months.

Q 11. How many different TEC lessons did you use during the past 24 months?

	Percentage	Exclusion (A)
A. None	32.0	--
B. 1-5 lessons	29.5	43.4
C. 6-15 lessons	25.6	37.6
D. 16-40 lessons	10.4	15.3
E. 41 or more lessons	2.5	3.7

Analysis: 68% of the users used TEC during the past 24 months.

1368 valid responses

230

Question: Within the last 24 months have you used the following types of
TEC lessons?

		Yes	No
Q 12.	TEC Sight and Sound Lessons	89.1	10.9
Q 13.	TEC Sound Only Lessons	26.6	73.4
Q 14.	TEC Printed Lessons	38.9	61.1

Analysis: Input indicates that of those personnel who have used TEC
Lessons in the past 24 months, Sight and Sound Lessons received
the most usage.

Q 12 993 valid responses

Q 13 971 valid responses

Q 14 971 valid responses

231

Q 15.   Which of the following do you use the most?

	Percentages	Exclusion (D)
A. TEC Sight and Sound Lessons	85.6	90.9
B. TEC Sound Only Lessons	3.7	3.9
C. TEC Printed Lessons	4.9	5.2
D. None of the above	5.9	--

Analysis: Input indicates that TEC Sight and Sound Lessons are used the
most.   This type lesson was utilized by 91% of the responding
users.

927 valid responses

Q 16. During your most recent SQT preparation, did you use TEC?

	Percentages	Exclusion (C)
A. Yes	46.8	51.8
B. No	43.4	48.2
C. I do not know	9.8	--

Analysis: **52%** of the surveyed soldiers do use TEC to prepare for their SQT.

992 valid responses

Q 17. Do you think that using TEC helped your performance on your most
recent SQT?

		Percentages	Exclusion (A & E)
A.	Does not apply; I did not use TEC to study for my SQT.	34.1	--
B.	Using TEC helped a lot.	36.1	64.9
C.	Using TEC helped a little.	18.0	32.4
D.	Using TEC did not help at all	1.5	2.7
E.	I do not know.	10.3	--

Analysis: Almost all soldiers (97%) who have used TEC for SQT preparation
felt it helped their performance to some degree.

994 valid responses

Q 18. In your opinion how many of the TEC lessons for your MOS that you
        have used, have been current and up to date?

		Percentage	Exclusion (A & B)
A.	Does not apply; I have never used the TEC lessons for my MOS.	16.8	--
B.	Does not apply; there are no TEC lessons for my MOS	2.9	--
C.	Most	43.3	53.9
D.	About half	15.4	19.2
E.	Few	16.9	21.0
F.	None	4.8	6.0

Analysis: Of the respondents who have TEC lessons for their MOS and
           have used them, over 54% feel that they are up to date. 19%
           stated that about half are current and less than 21% said that
           few are current.

1001 valid responses

235

Q 19. Do you have the soldier's manual which describes or explains the tasks for your current duty position?

		Percentages	Exclusion (C)
A.	Yes	85.7	87.9
B.	No	11.8	12.1
C.	I do not know	2.5	--

Analysis: 88% of the respondents have soldier's manuals for their duty positions.

973 valid responses

Q 20.   How often do you learn about the duty position MOS tasks in your soldier's manual?

		Percentages	Exclusion (A)
A.	Does not apply; I do not have a soldier's manual.	4.9	--
B.	Daily (5 to 7 times a week)	1.9	2.0
C.	2 to 4 times a week	6.8	7.2
D.	Once a week	8.7	9.2
E.	Once a month	57.6	60.6
F.	Less than once a month	15.3	16.1
G.	Never	4.7	5.0

Analysis: The 60% frequency of use of the soldier's manual for learning duty position tasks corresponds with the monthly drills held by National Guard Units.

996 valid responses

Q 21. When you learn about the duty position MOS tasks in your soldier's
manual, how often do you use TEC?

		Percentages	Exclusion (A & B)
A.	Does not apply; I do not have a soldier's manual or I never learned about the duty position MOS tasks in my soldier's manual.	6.0	--
B.	Does not apply; there are no TEC lessons for my duty position MOS tasks.	4.3	--
C.	Always	5.2	5.8
D.	Most of the time	16.5	18.3
E.	About half the time	19.8	22.1
F.	Sometimes	38.3	42.7
G.	Never	10.0	11.1

Analysis: Input indicates that about 50% of the soldiers sometimes use
TEC in conjunction with their soldier's manual when learning duty
position MOS tasks.

984 valid responses

Q 22. How helpful is TEC in teaching you about the duty position MOS tasks in your soldier's manual?

	Percentages	Exclusion (A)
A. Does not apply; I do not have a soldier's manual or I have never used TEC to learn about duty position MOS tasks in my soldier's manual.	11.5	--
B. Very helpful	35.7	40.4
C. Somewhat helpful	39.9	45.1
D. Not much help	9.5	10.8
E. No help at all	3.3	3.8

Analysis: Of the Users who have soldier's manuals and use TEC in conjunction with them, 45% feel that TEC is somewhat useful in teaching about duty position MOS tasks in their soldier's manual. 40% feel that TEC is very helpful.

988 valid responses

Q 23. How do you usually find out which TEC lessons you should study?

A. My unit trainer assigns the lessons   28.5

B. I ask my unit trainer   20.0

C. I ask someone else (other enlisted, NCO's,
    company officers)   8.5

D. Soldier's Manual   12.6

E. Learning Center   6.6

F. I choose the lessons I want to study   16.4

G. Extension Training Materials Catalog   1.7

H. Extension Training Materials Availability List   .7

I. Other   4.9

Analysis: Of the many in which an individual can find out what TEC lessons
            they should study, results indicate that the unit trainer is
            the source most utilized.

978 valid responses

Q 24. How often do you take the TEC pretests before using a TEC lesson?

		Percentage	Exclusion (Λ)
A.	I have never heard of the TEC pretests	19.4	--
B.	Always	7.2	8.9
C.	Most of the time	13.4	16.6
D.	Sometimes	24.6	30.5
E.	Rarely	16.7	20.7
F.	Never	18.7	23.2

Analysis: 81% have heard of the TEC pretest. Of these 56% use it. 44% indicated that they rarely or never used them.

1000 valid responses

Q 25. How useful are these TEC pretests?

	Percentages	Exclusion (A)
A. Does not apply; I have never heard of TEC pretests	27.8	--
B. Very useful	16.1	22.3
C. Useful	28.0	38.7
D. Somewhat useful	22.0	30.4
E. Not useful at all	6.2	8.6

Analysis: 91% of the surveyed soldiers who are aware of TEC pretests indicate that TEC pretests are useful to one degree or another. 28% of the soldiers have never heard of TEC pretests.

987 valid responses

Q 26. How often have you noticed incorrect information in a TEC lesson?

		Percentage
A.	Frequently	4.9
B.	Sometimes	25.7
C.	Rarely	41.7
D.	Never	27.8

Analysis: 70% of Users stated that they rarely or never found incorrect information in TEC lessons.

989 valid responses

Q 27. When you use TEC sight and sound lessons, how often has something
       gone wrong with the equipment?

		Percentages	Exclusion (A)
A.	Does not apply; I have never used TEC sight and sound lessons	5.3	--
B.	Frequently	18.4	19.5
C.	Sometimes	35.9	37.9
D.	Rarely	27.7	29.3
E.	Never	12.7	13.4

Analysis: 43% of the respondents indicated that they rarely or never
           experience problems with the equipment used with TEC sight
           and sound lessons.

993 valid responses

244

Q 28. How difficult to learn were the TEC lessons you have used?

	Percentages
A. Too difficult	9.0
B. About right	72.3
C. Too easy	18.7

Analysis: 72% of the respondents stated that the difficulty level
of the TEC lessons is about right.

979 valid responses

Q 29. All things considered, how useful are the TEC lessons?

		Percentages	Exclusion (E)
A.	Very useful	29.8	31.4
B.	Useful	34.3	36.3
C.	Somewhat useful	26.5	28.0
D.	Not useful at all	4.1	4.3
E.	I do not know	5.3	--

Analysis: Over 90% of the Users feel that TEC is useful.

984 valid responses

Q 30. Overall, are the TEC lessons interesting or boring?

		Percentages	Exclusion (F)
A.	Very interesting	10.8	11.3
B.	Interesting	42.7	44.5
C.	Neither interesting nor boring	25.2	26.3
D.	Boring	12.7	13.2
E.	Very boring	4.5	4.7
F.	I do not know	4.0	--

Analysis: 56% of the respondents feel TEC is interesting and 26% do not
feel TEC is either interesting or boring.

991 valid responses

Q 31. Are you allowed time during <u>duty</u> hours to use TEC?

	Percentages	Exclusion (C)
A. Yes	71.1	81.5
B. No	16.1	18.5
C. I do not know	12.7	--

Analysis: 82% of the surveyed soldier are allowed duty time to use TEC.

974 valid responses

A 32. Are you encouraged to use TEC during <u>off</u> duty hours?

	Percentages	Exclusion (C)
A. Yes	53.3	61.9
B. No	32.8	38.1
C. I do not know	13.9	--

Analysis: 62% of the Users are encouraged to use TEC during off
duty hours.

981 valid responses

Q 33.   When do you actually use TEC?

		Percentage
A.	During duty hours	70.7
B.	During off-duty hours	9.8
C.	During both duty and off-duty hours	19.5

Analysis: TEC is used mainly during duty hours.

561 valid responses

Q 34. Which one of the following best describes how you are encouraged to use TEC?

		Percentages	Exclusion (A)
A.	Does not apply; I am not encouraged to use TEC	12.0	--
B.	Specific assignment from the unit trainer	43.6	49.5
C.	General commands from the unit trainer	15.3	17.4
D.	Announcements from the Company Commander encouraging use	9.1	10.4
E.	Announcements from the Battalion Commander encouraging use	1.1	1.3
F.	Rewards or recognition for use	1.2	1.4
G.	Other	17.6	20.0

Analysis: Of the individuals who are encouraged to use TEC, 50% receive specific assignments from their unit trainers.

975 valid responses

251

Q 35. In your opinion, should every soldier be <u>required</u> to use TEC?

	Percentages	Exclusion (C)
A. Yes	62.0	72.4
B. No	23.6	27.6
C. I do not know	14.3	--

Analysis: 72% feel TEC should be mandatory for use by all soldiers.

977 valid responses

Q 36. Which answer __best__ describes your main reason for using TEC?

	Percentages	Exclusion (A)
A. Does not apply; I do not use TEC	5.9	--
B. For SQT preparation	11.6	12.3
C. For MOS training	22.0	23.3
D. As an aid in preparing or giving classes	20.0	21.3
E. To get ready for promotion boards	1.8	1.9
F. To learn something totally new	8.8	9.3
G. For review	8.0	8.5
H. To prepare for ARTEP	2.0	2.1
I. To increase job proficiency	16.8	17.9
J. Other	3.1	3.3

Analysis: The two main reasons for using TEC are to improve job proficiency and to aid in preparing for classes.

993 valid responses

Q 37.   Which answer best describes why you think TEC is not used more often?

		Percentages	Exclusion (H)
A.	TEC is not easy to get	8.0	9.3
B.	Soldiers do not know about TEC	13.8	16.0
C.	TEC lessons are not available for the subjects soldiers need	12.9	15.0
D.	There is not enough time for any type of individual training	15.4	17.9
E.	Soldiers are not interested in this type of training	8.8	10.3
F.	Soldiers do not like TEC (the lessons are too boring, poorly constructed, etc.)	9.2	10.7
G.	For a reason other than the above	17.9	20.8
H.	I do not know	13.9	--

Analysis: Reasons why National Guard Users think it is not used more
            often is extremely varied.

973 valid responses